

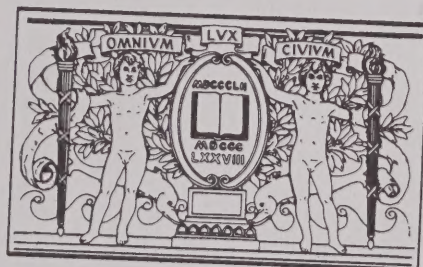
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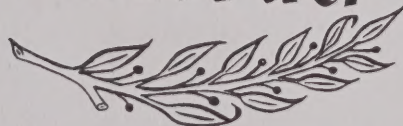
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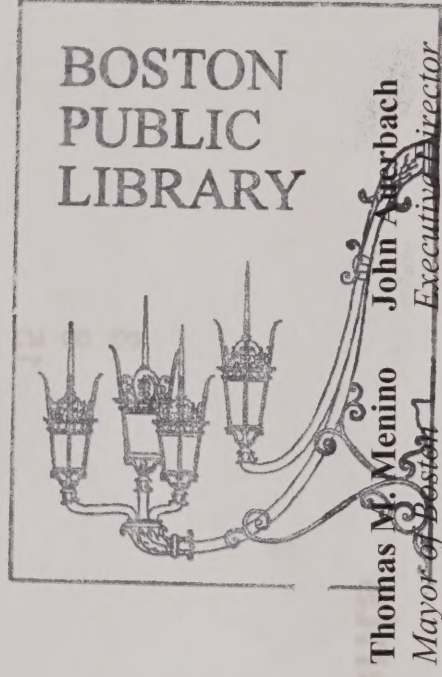
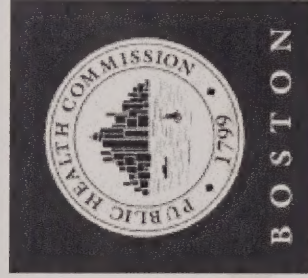
02/14

# The Health of West Roxbury

*presented at the*

## Boston Public Health Commission's 5th Annual Community Health Series

Sept 27, 2002      Roche Comm Center  
11:00am - 12:30pm      West Roxbury



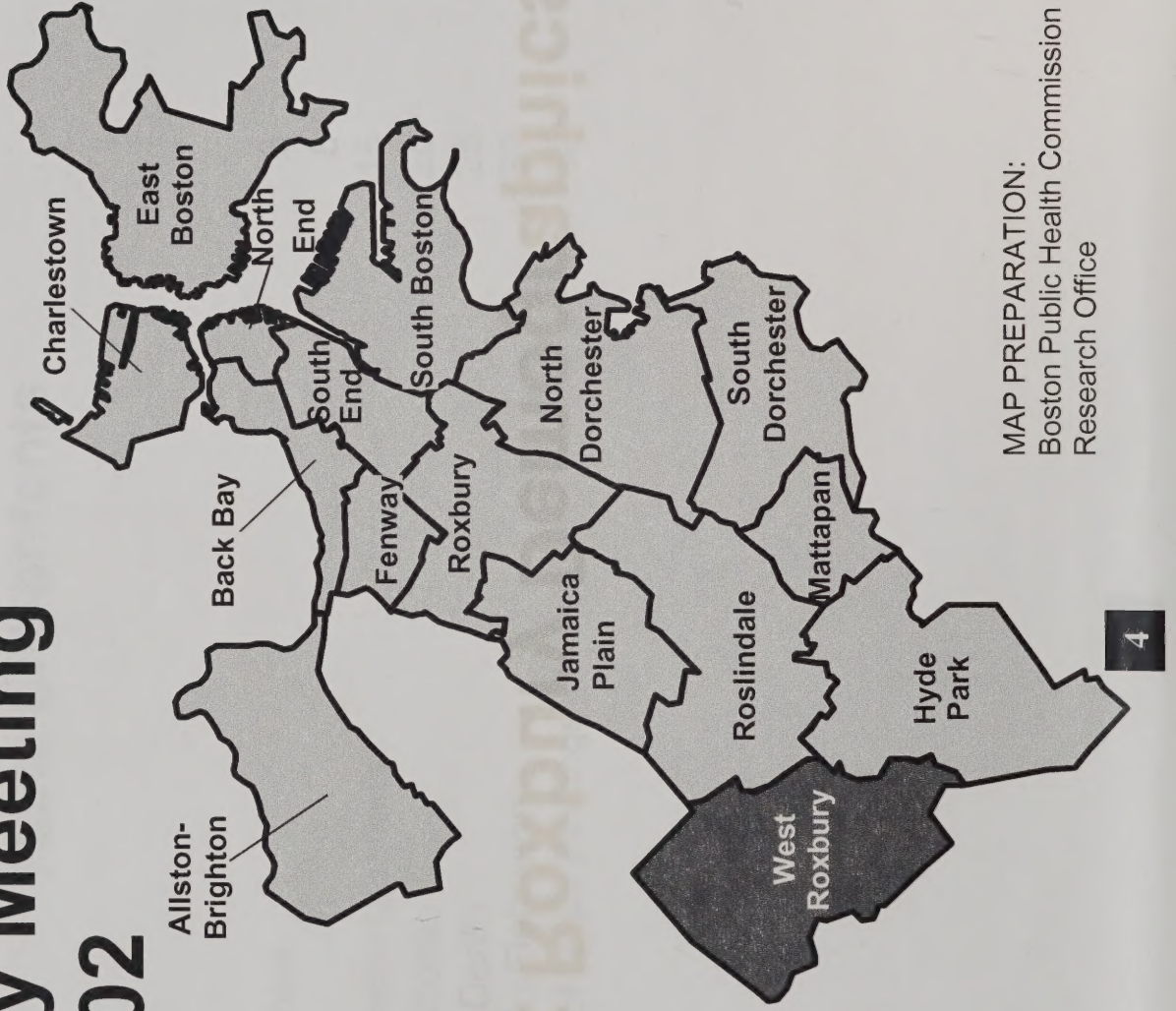
## Table of Contents

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# West Roxbury Demographics



# West Roxbury Community Meeting 2002



MAP PREPARATION:  
Boston Public Health Commission  
Research Office

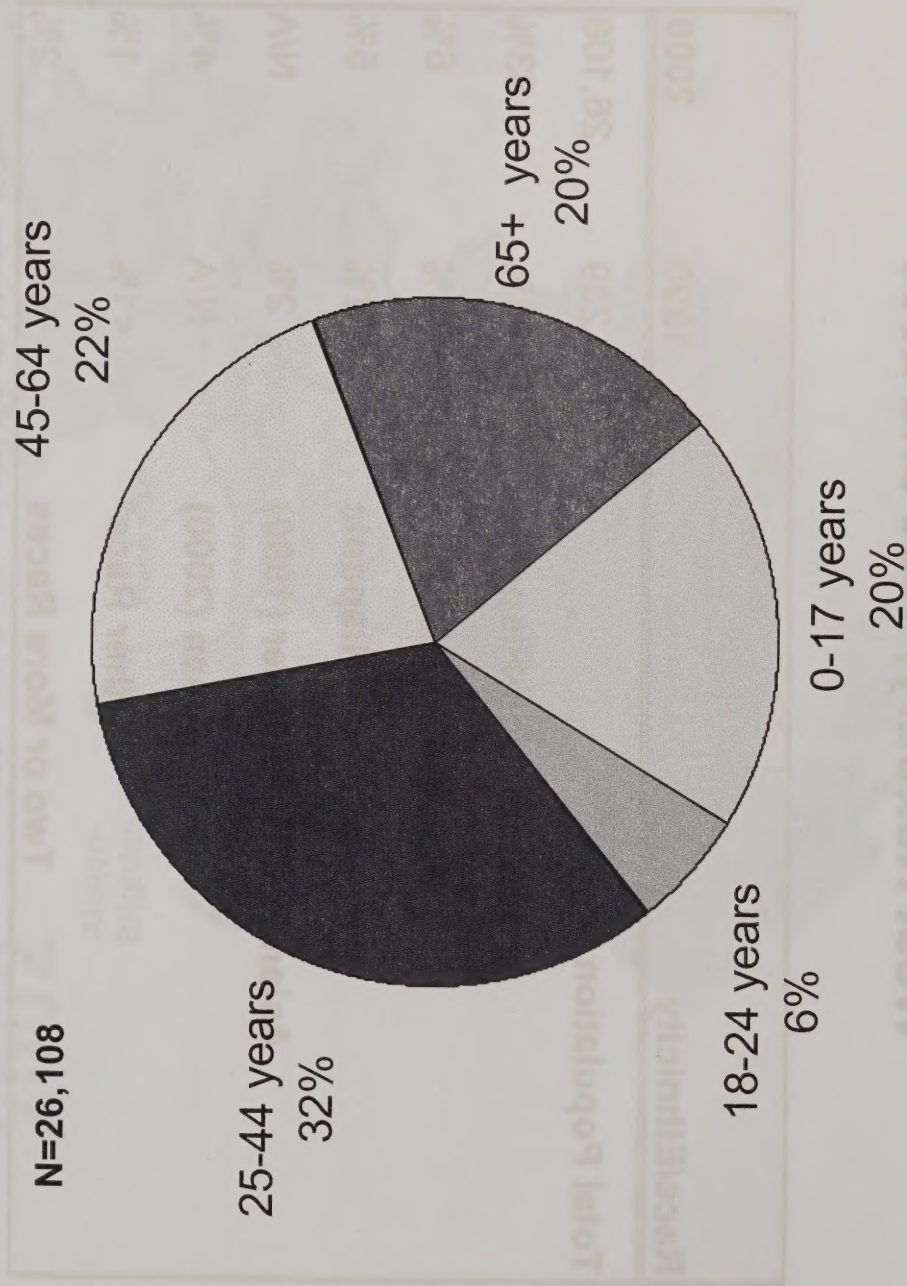
## Population by Race/Ethnicity West Roxbury, 1990 and 2000

Race/Ethnicity	1990	2000
<b>Total Population</b>	27,239	26,108
White, non-Hispanic	94%	83%
Black, non-Hispanic	2%	6%
Hispanic	2%	5%
Asian/Pacific Islander (1990)	2%	N/A
Asian (2000)	N/A	4%
Other Race*	<1%	1%
<b>Two or More Races</b>	<b>N/A</b>	<b>2%</b>

\*"Other race" includes Native Americans (1990), and Native Hawaiians/Other Pacific Islanders, Alaska Native/American Indians, and Other Races (2000).  
 DATA SOURCE: US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000  
 DATA ANALYSIS: Boston Public Health Commission, Research Office



# Population by Age Group West Roxbury, 2000



DATA SOURCE: US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000  
DATA ANALYSIS: Boston Public Health Commission, Research Office



## Selected Socioeconomic Indicators Boston Overall and West Roxbury, 2000

	Boston	West Roxbury
Less than High School Graduation or GED	21%	13%
% of Population Below Poverty Level*	20%	7%
% of Children (Under 18) Below Poverty Level*	26%	10%
% of Adults 65 and Older Below Poverty Level*	18%	9%
Median Household Income in 1999	\$39,629	\$52,406

\*Based on income in 1999

\*\*Estimated Median Household Income in 1999

DATA SOURCE: US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000, Summary File  
Sample Data

DATA ANALYSIS: Boston Public Health Commission, Research Office

# Population by Age Group

DATA FROM 1990 CENSUS

POPULATION BY AGE GROUP, 2000

DATA FROM 1990 CENSUS. THE FOLLOWING TABLE SHOWS THE POPULATION BY AGE GROUP FOR THE CITY OF WEST ROXBURY IN 2000. THE TOTAL POPULATION WAS 22,540.

Age Group	Population	Percentage of Total	Total
Under 5	1,200	5.3%	22,540
5-14	3,500	15.5%	22,540
15-24	3,200	14.2%	22,540
25-34	3,800	16.8%	22,540
35-44	3,500	15.5%	22,540
45-54	3,200	14.2%	22,540
55-64	2,800	12.4%	22,540
65+	2,840	12.5%	22,540

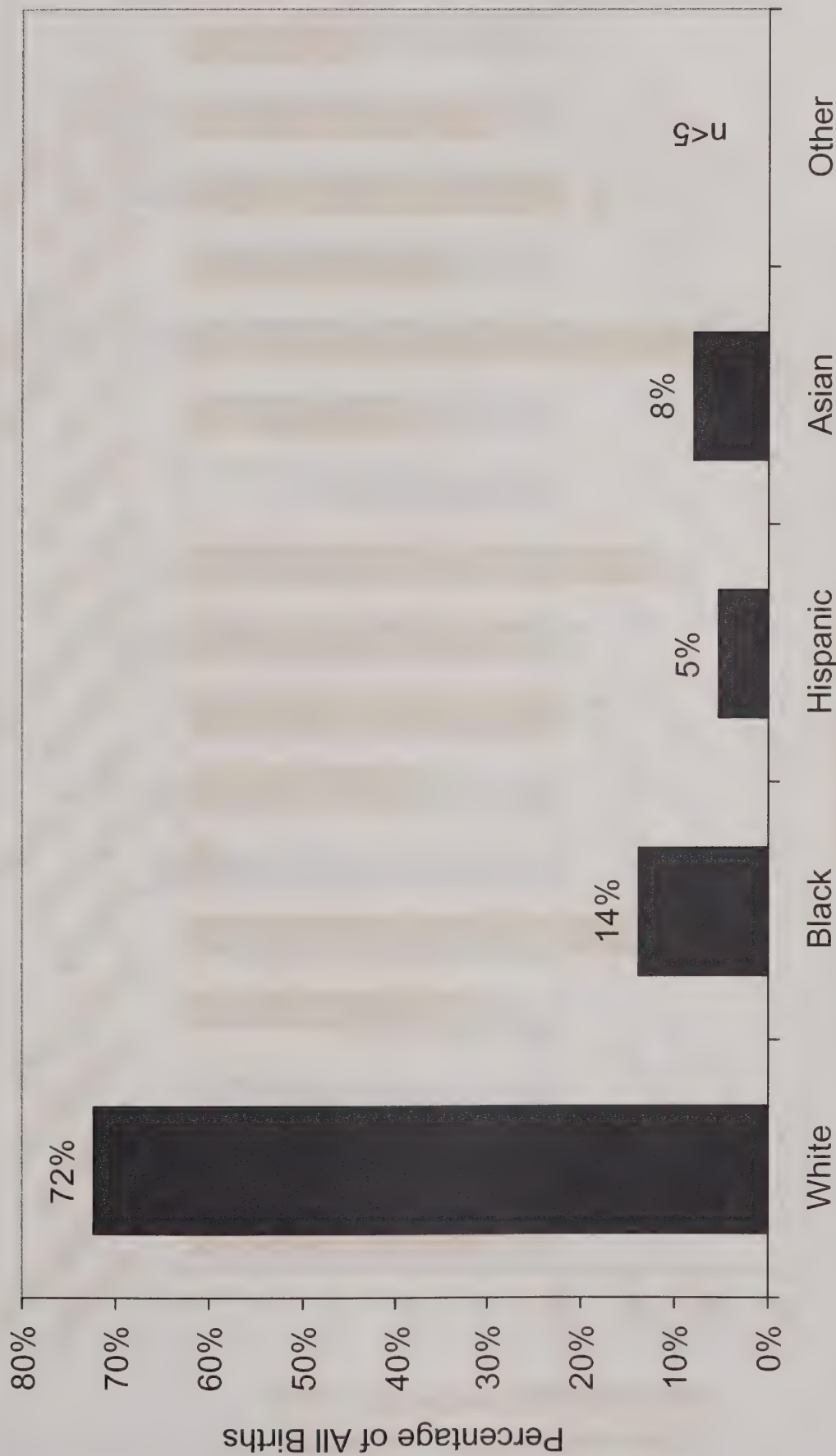
## Births in West Roxbury

Births in West Roxbury, 2000

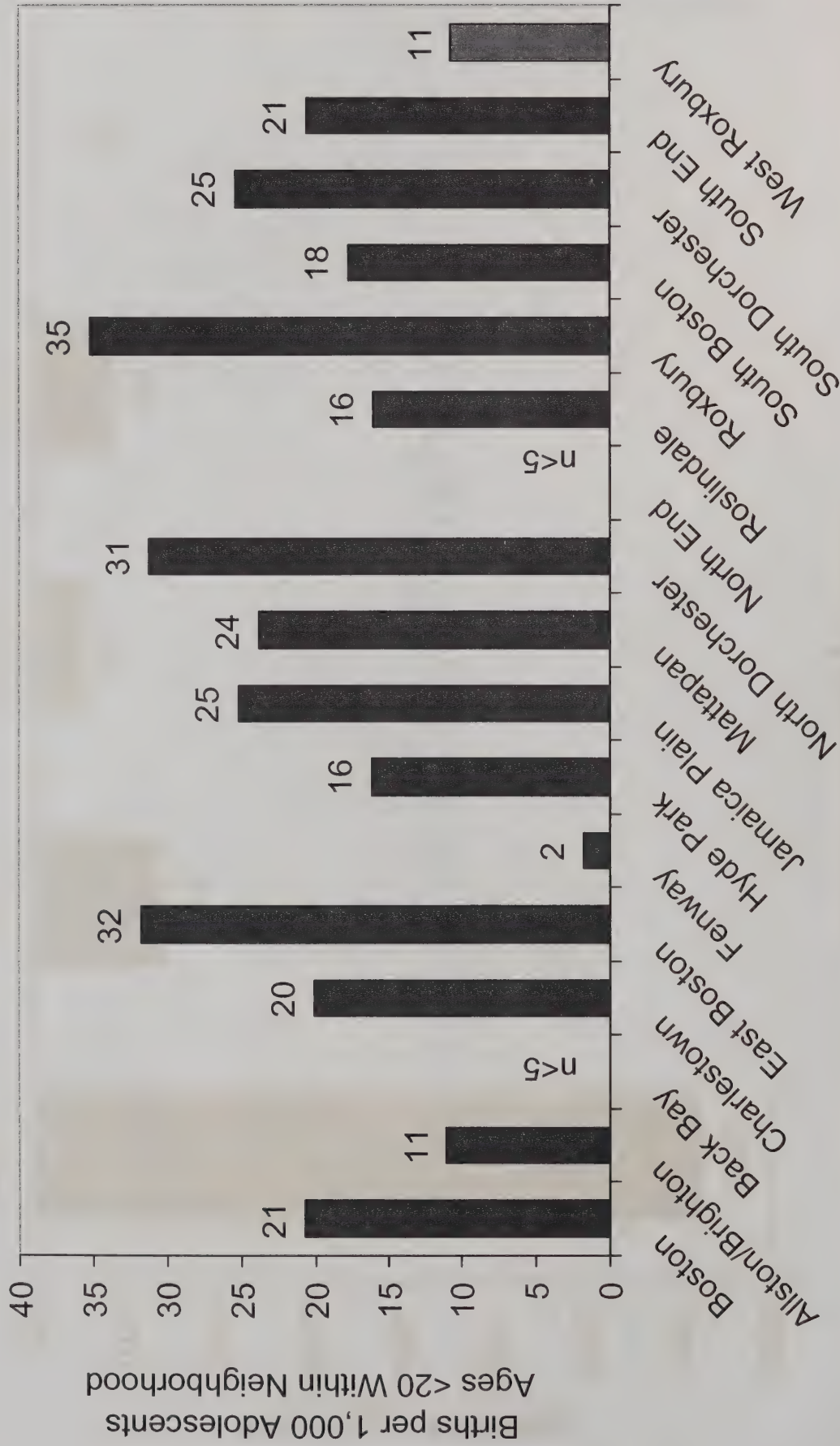
Selected Socioeconomic Indicators



# **Births by Race/Ethnicity** **West Roxbury, 2000**



# Birth Rates Among Adolescents by Neighborhood Boston, 2000

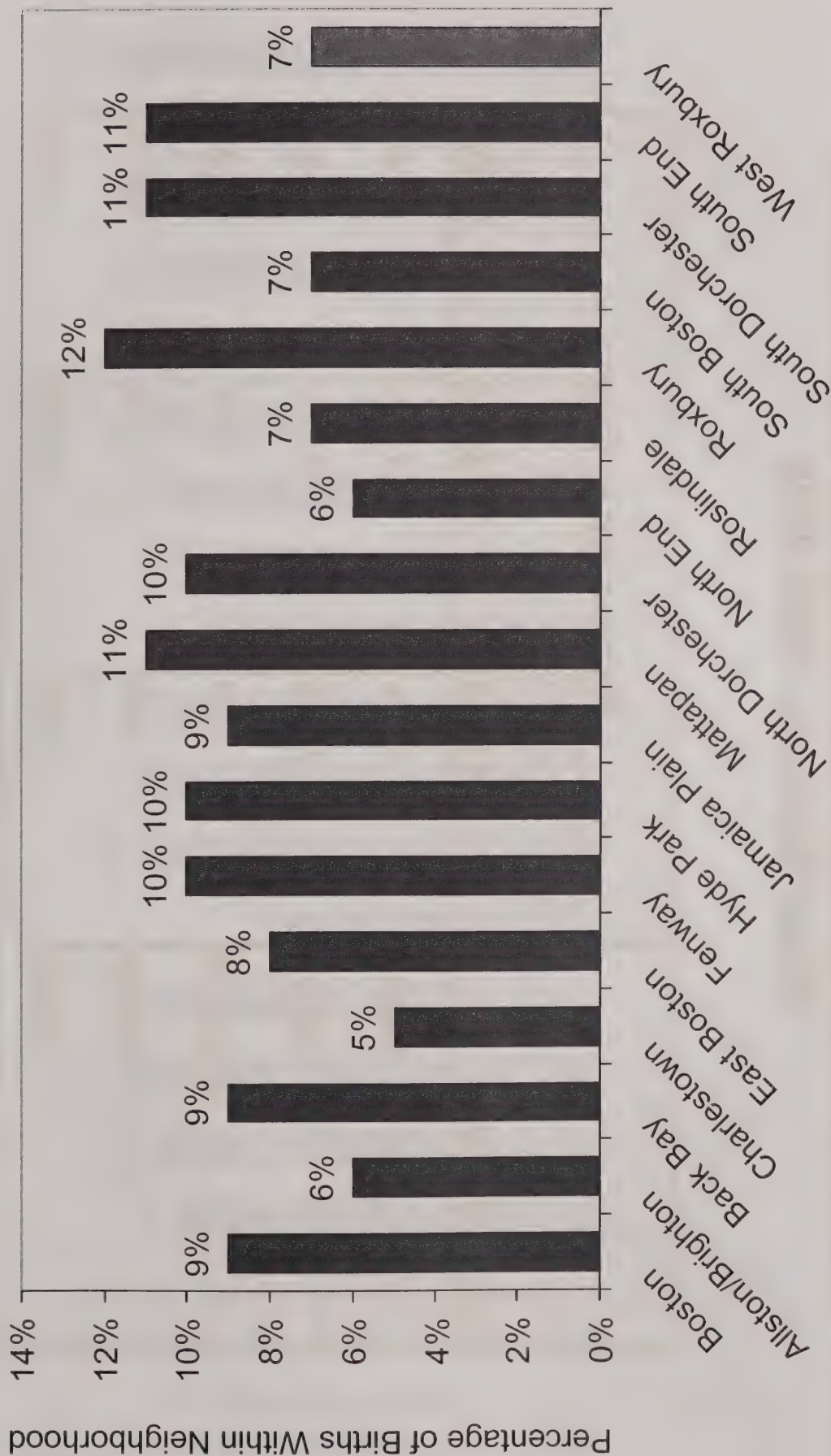


DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office



# Low Birthweight Births by Neighborhood Boston, 2000



\*South End data do not include data for Chinatown.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office

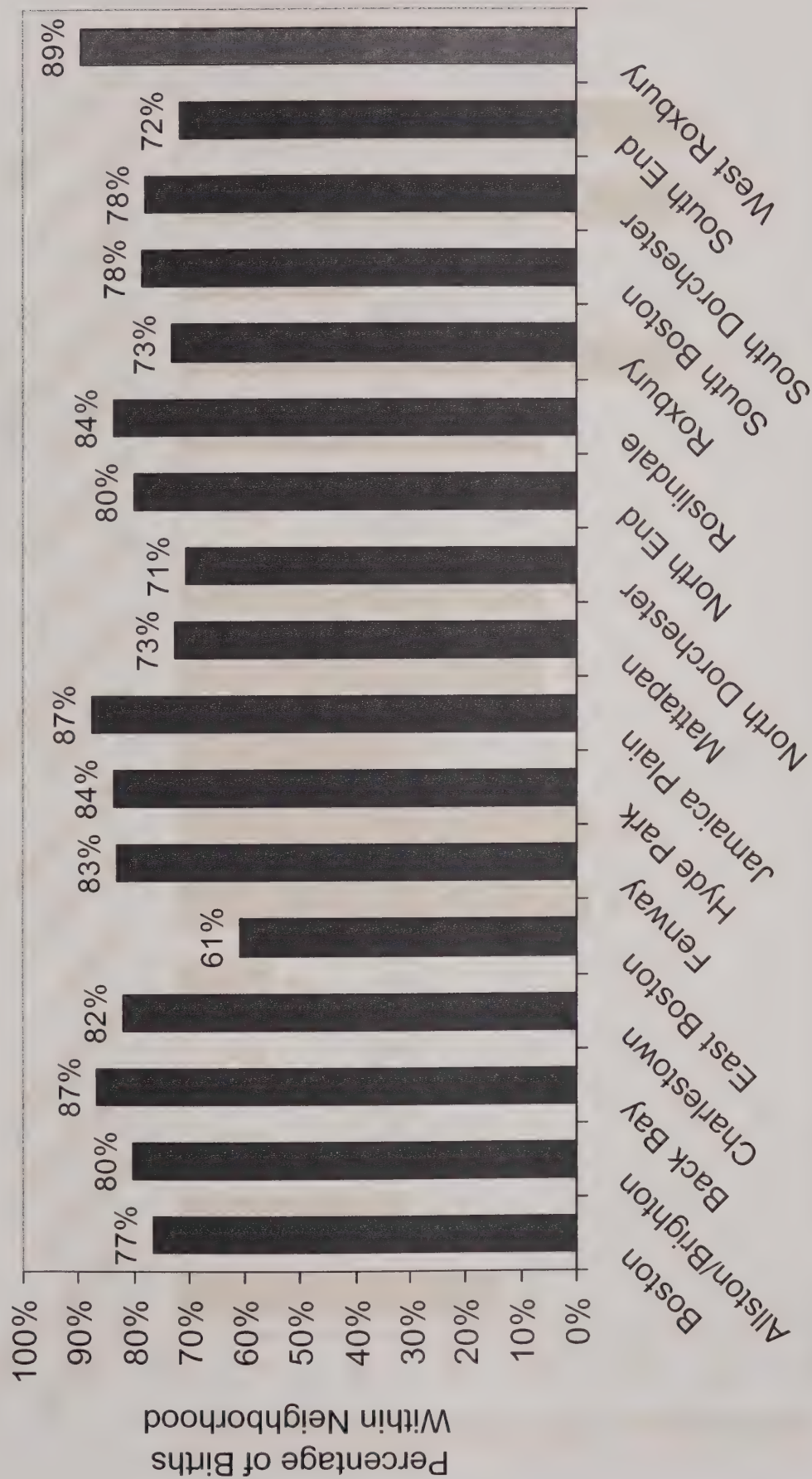
# **Cumulative Birthweight Distribution by Race/Ethnicity** **West Roxbury, 1996-2000**

Race/Ethnicity	Birthweight in Grams		
	<1500	<2000	<2500
White	1.0%	2.1%	5.4%
Black	4.7%	6.6%	10.8%
Hispanic	n<5	n<5	5.2%
Asian	n<5	n<5	5.5%
Other	0.0%	0.0%	0.0%

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health  
DATA ANALYSIS: Boston Public Health Commission, Research Office



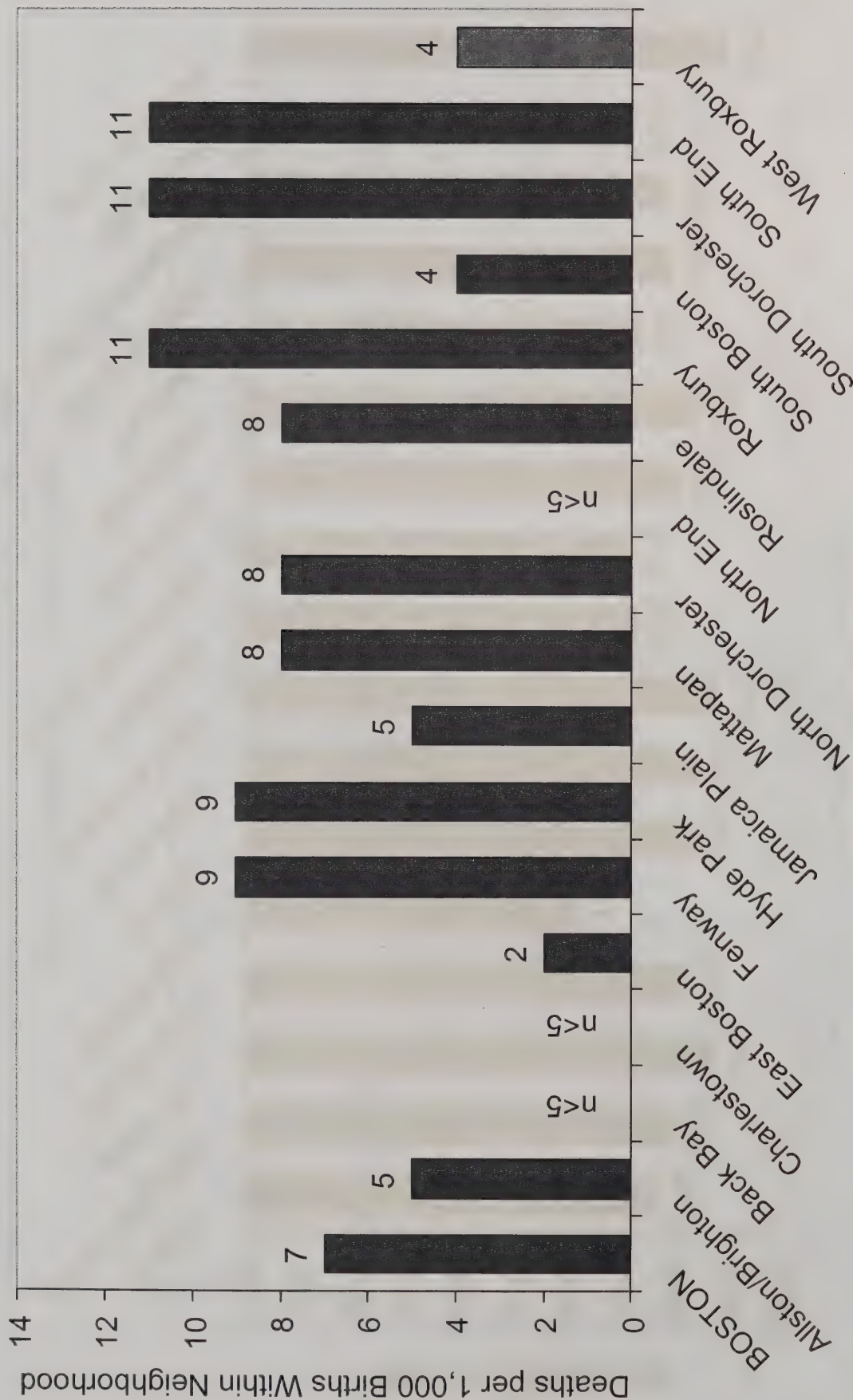
# Adequacy of Prenatal Care by Neighborhood Boston, 2000



DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office

# **Infant Mortality Rate by Neighborhood** **Boston, 1996-2000**

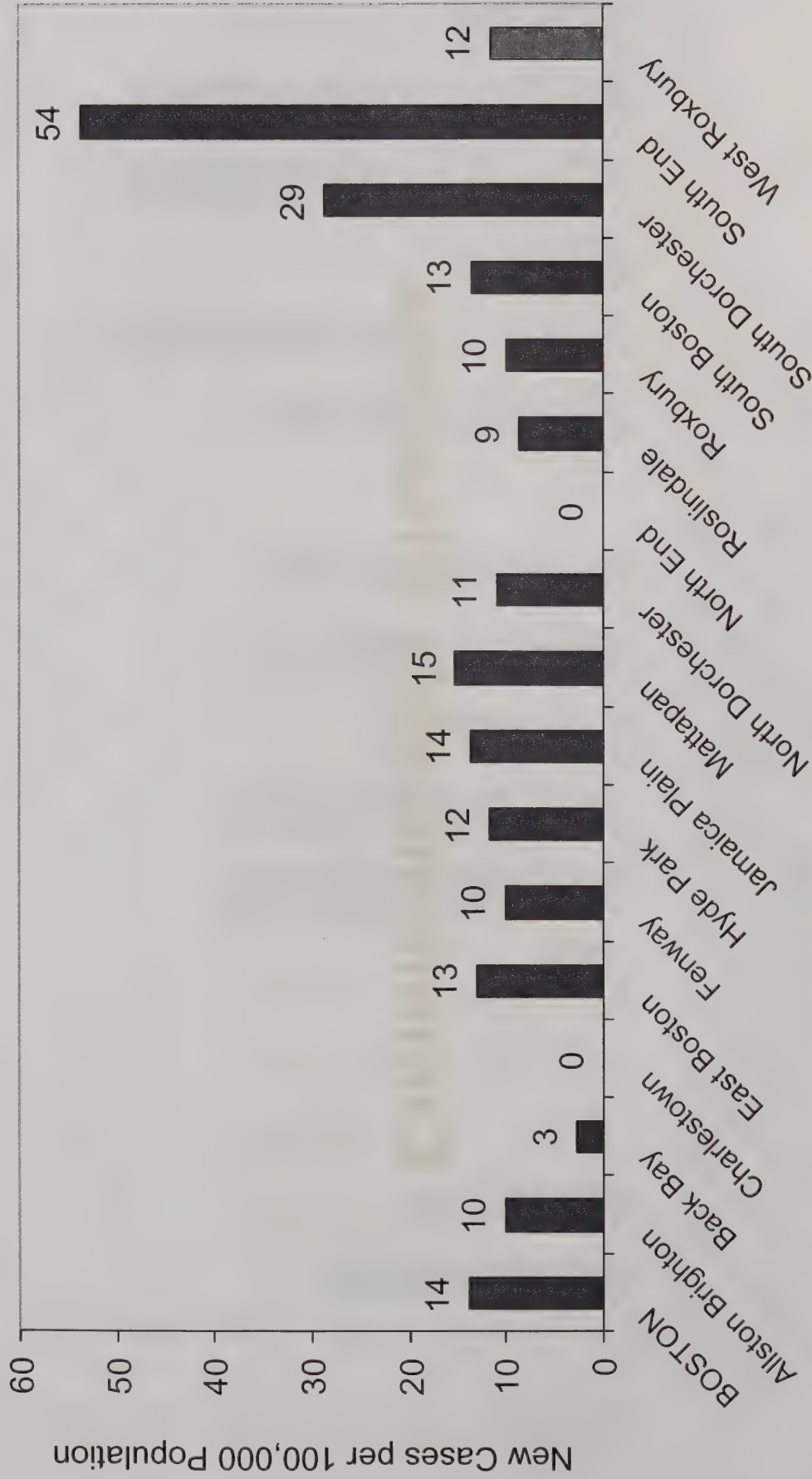


DATA SOURCE: Boston resident deaths and live births, Massachusetts Department of Public Health  
 DATA ANALYSIS: Boston Public Health Commission, Research Office



# Communicable Diseases

# Tuberculosis Incidence Rates by Neighborhood Boston, 2000



DATA SOURCE: Communicable Disease Database, Boston Public Health Commission, Communicable Disease Control Division.

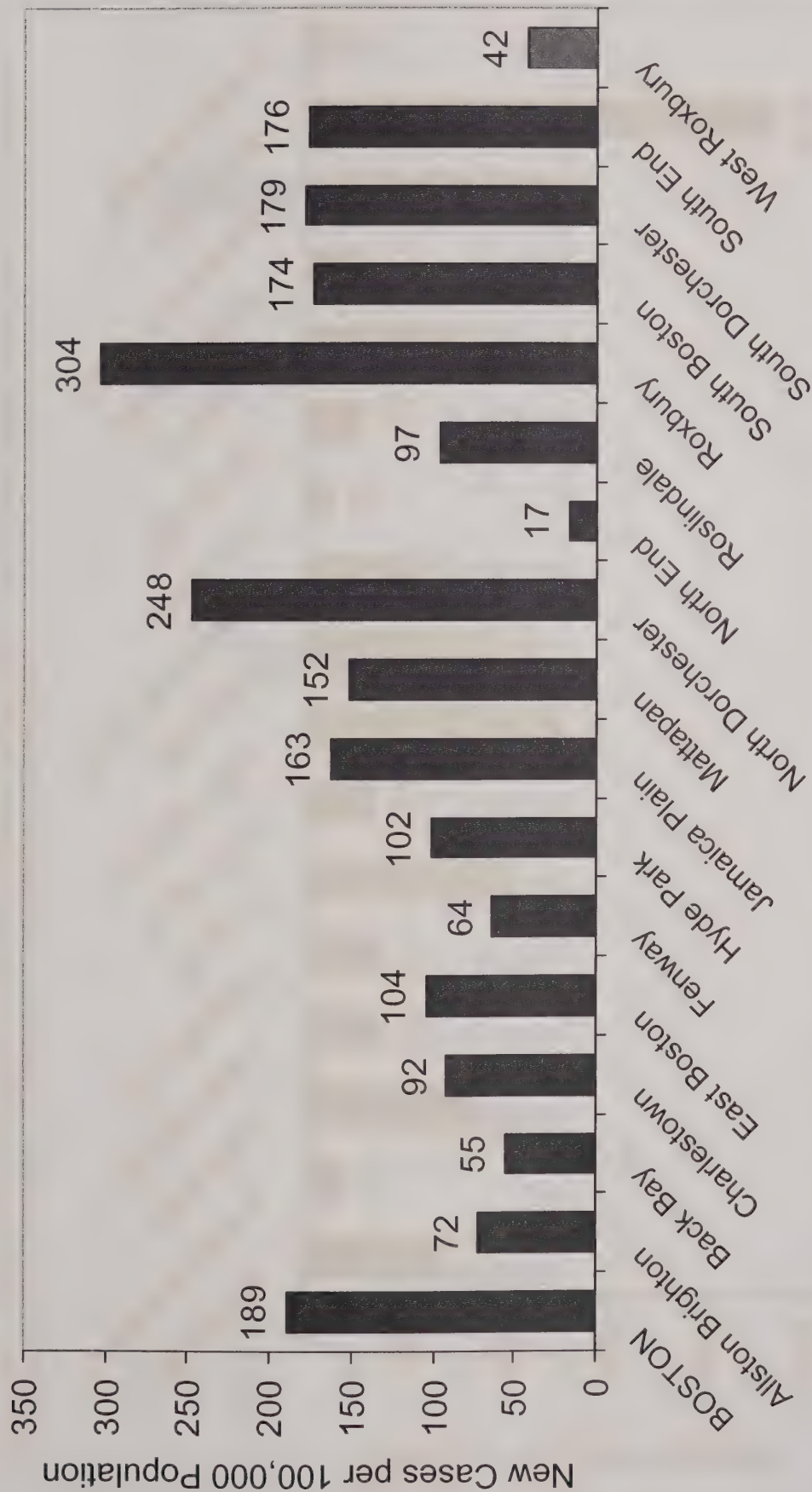
Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division

GRAPHIC: Boston Public Health Commission, Research Office



# Hepatitis C Incidence Rates by Neighborhood Boston, 2000



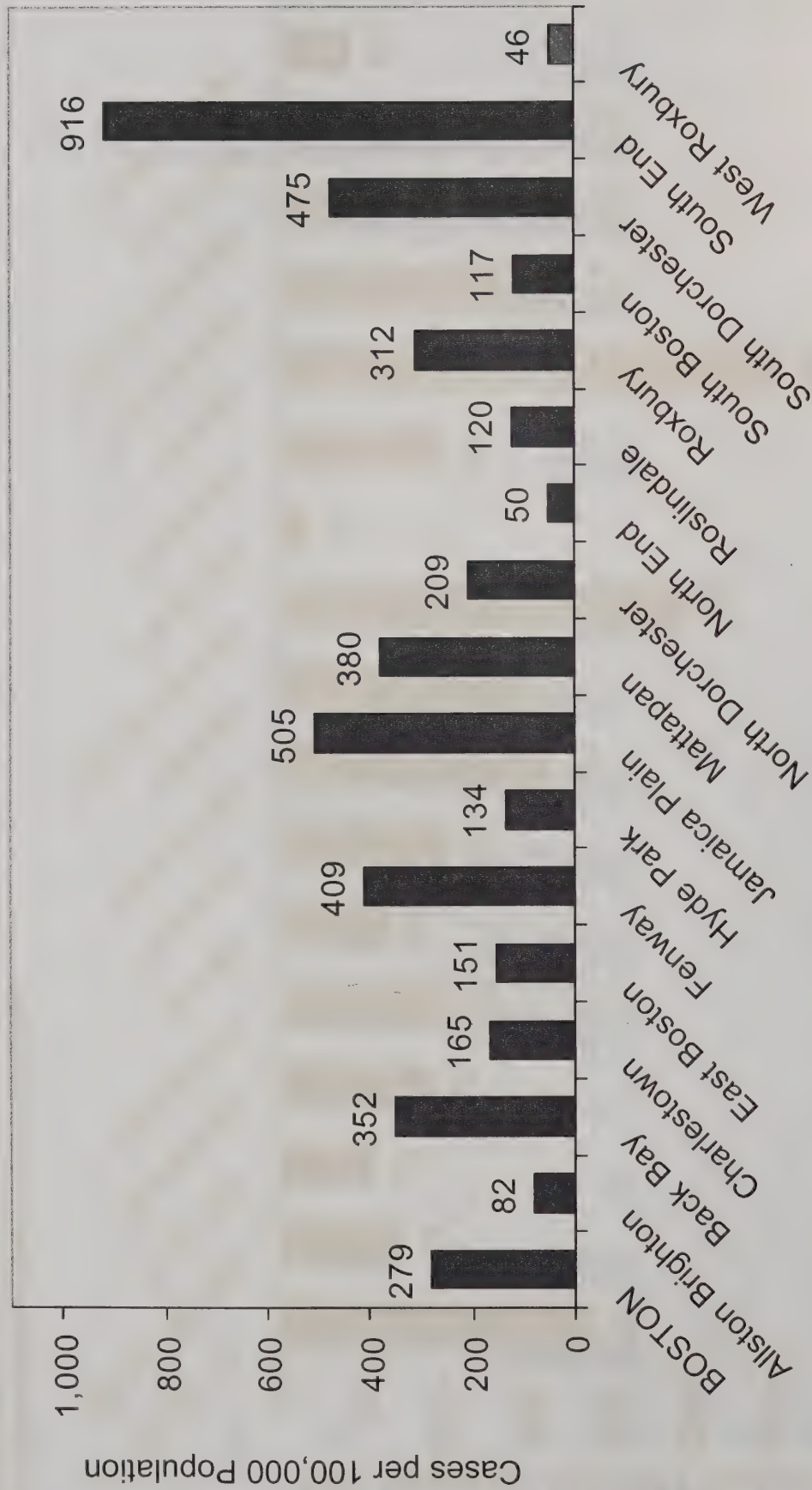
NOTE: Cases reflect year of report, not year of diagnosis.

DATA SOURCE: Communicable Disease Database, Boston Public Health Commission, Communicable Disease Control Division. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division

GRAPHIC: Boston Public Health Commission, Research Office

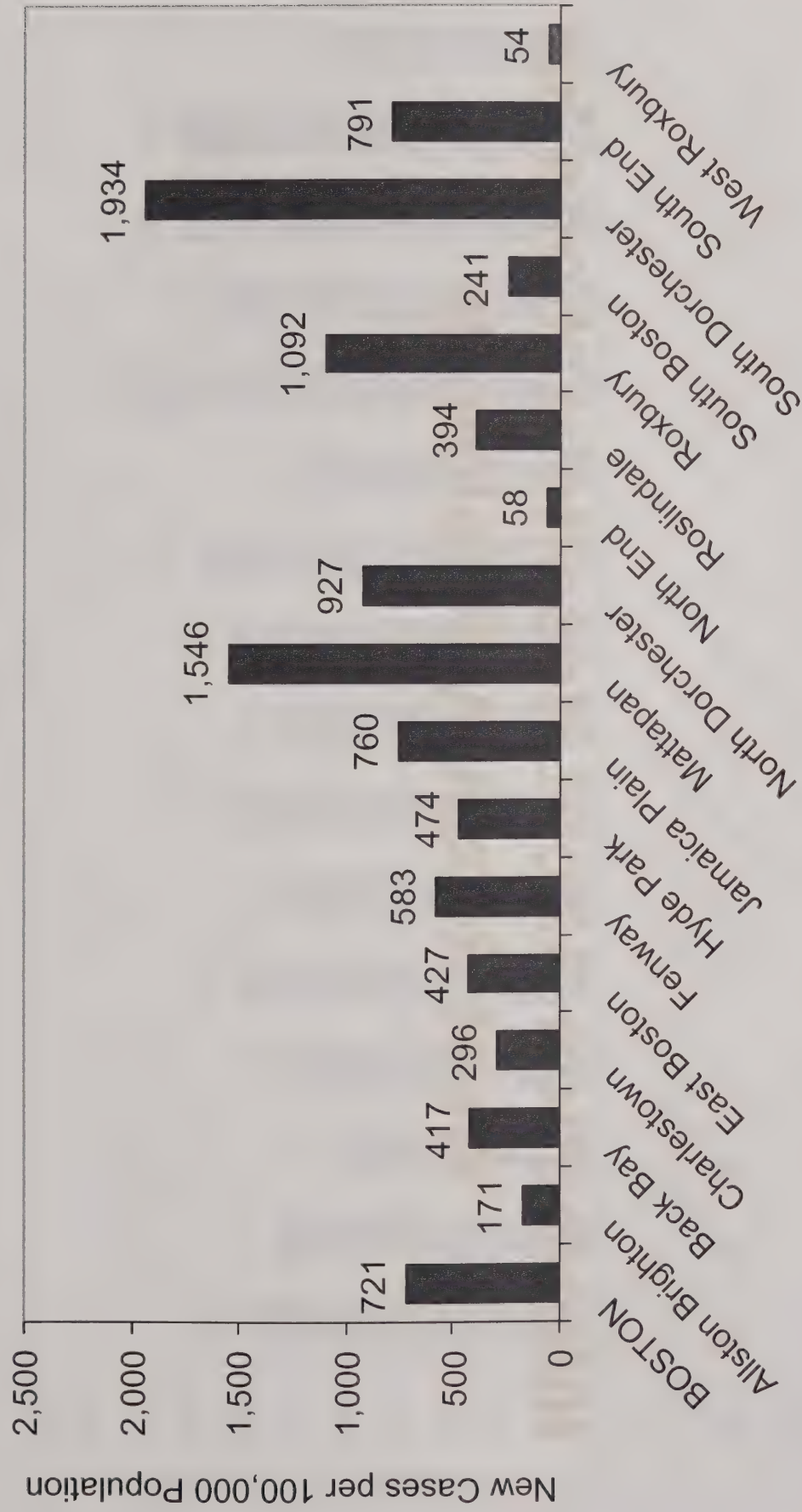
# Cumulative HIV\* Incidence Rates by Neighborhood As of May 1, 2002



\*HIV refers to HIV Alive Cases defined by the Massachusetts Department of Public Health.  
 DATA SOURCE: AIDS Reporting System Data, Massachusetts Department of Public Health, Bureau of Communicable Disease Control, AIDS Surveillance Program. Rates are calculated using the US Census 2000 for resident population.  
 DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division  
 GRAPHIC: Boston Public Health Commission, Research Office



# Sexually Transmitted Disease\* Incidence Rates by Neighborhood Boston, 2000



\*Sexually Transmitted Diseases include Chlamydia, Syphilis, and Gonorrhea.

DATA SOURCE: Selected STDs for Boston Report, Massachusetts Department of Public Health, STD Division. Rates are calculated using the US Census 2000 for resident population.

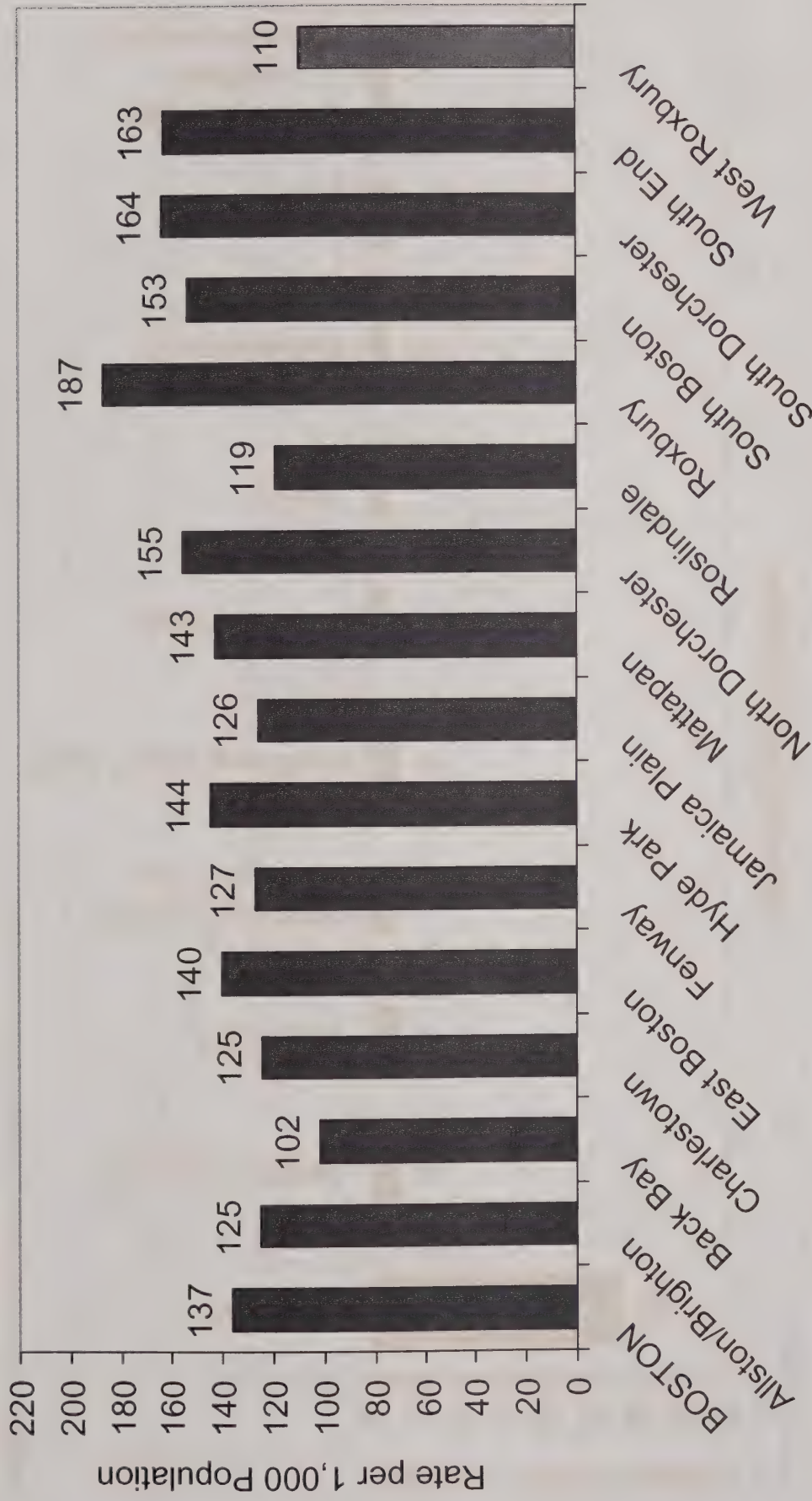
DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division

GRAPHIC: Boston Public Health Commission, Research Office

# **Information About Hospitalizations for West Roxbury Residents**



# Hospitalization Age-Adjusted Rates by Neighborhood Boston, 2000



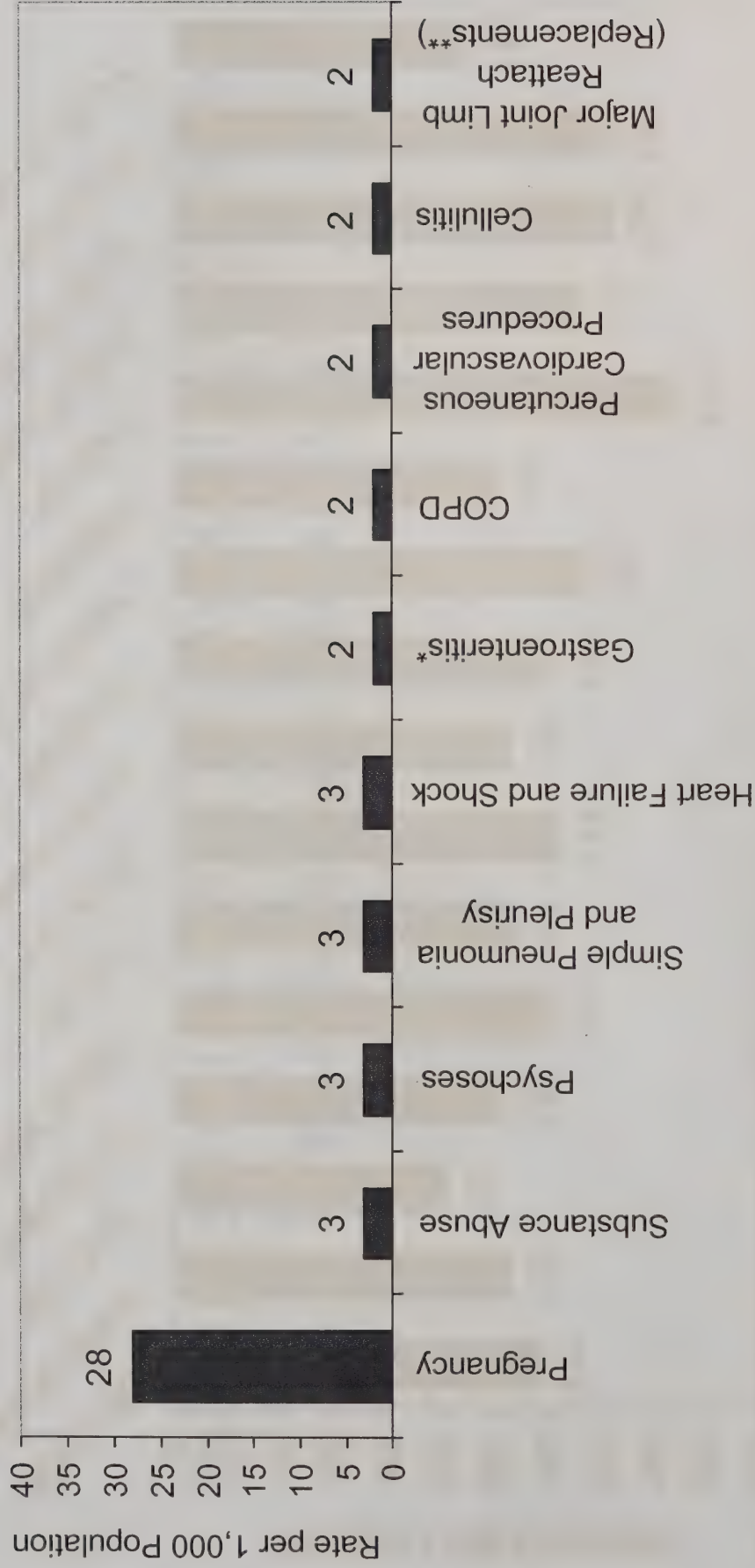
NOTE: North End data have been incorporated with Back Bay data.

DATA SOURCE: 1997-2000 Acute Case Mix, Massachusetts Division of Health Care Finance and Policy. Rates are calculated using the US 2000 Census for resident population by zip code.

DATA ANALYSIS: Boston Public Health Commission, Research Office.

# Leading Causes of Hospitalization Boston, 2000

## Age-Adjusted Rates



\*Also includes esophagitis and miscellaneous digestive disorders

\*\*Includes hip, knee replacements

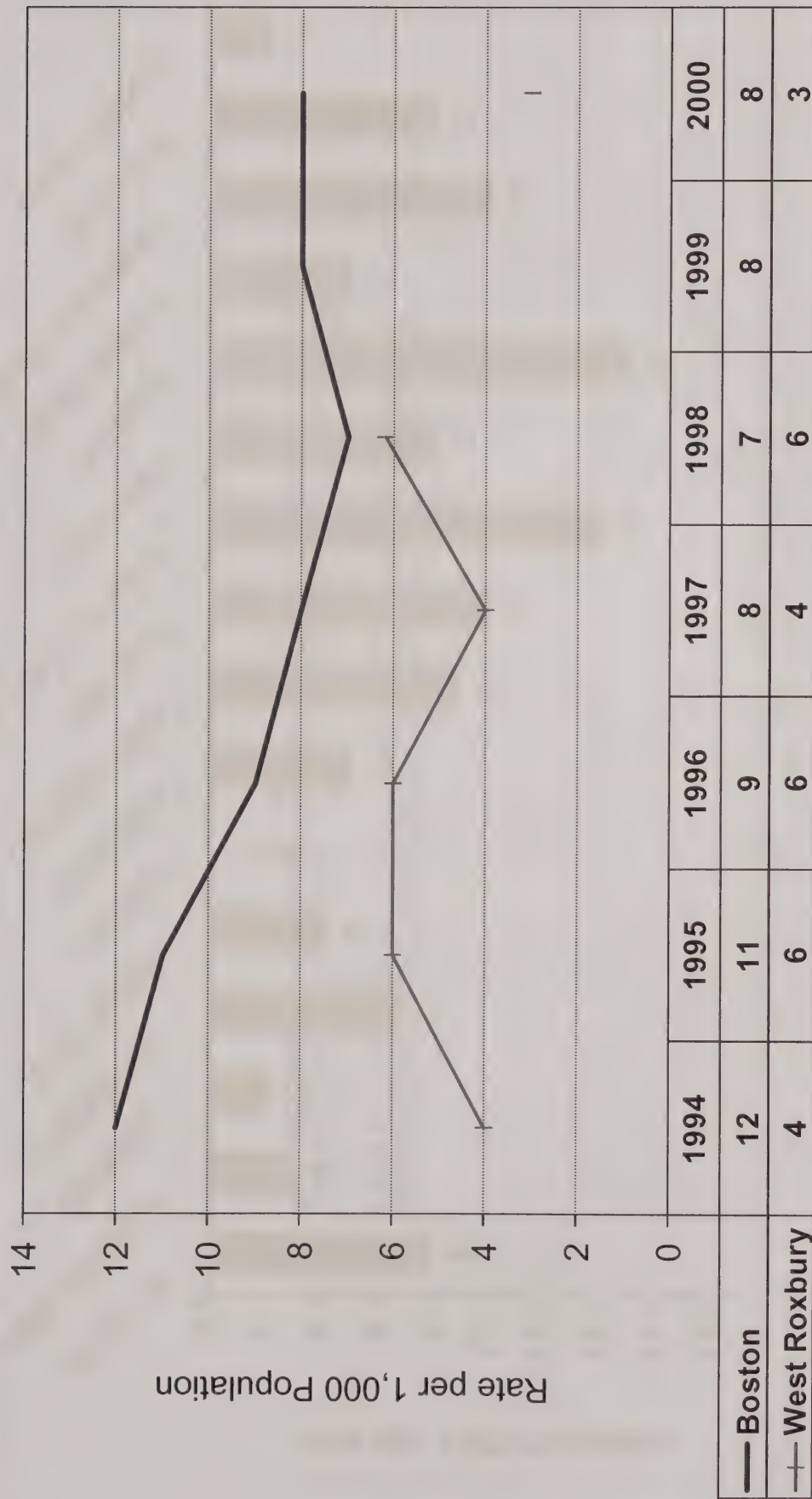
NOTE: These rates are age-adjusted to the 2000 US standard population; newborns have been excluded.

DATA SOURCE: 1997-2000 Acute Case Mix, Massachusetts Division of Health Care Finance and Policy. Rates are calculated using the US 2000 Census for resident population by zip code.

DATA ANALYSIS: Boston Public Health Commission, Research Office.

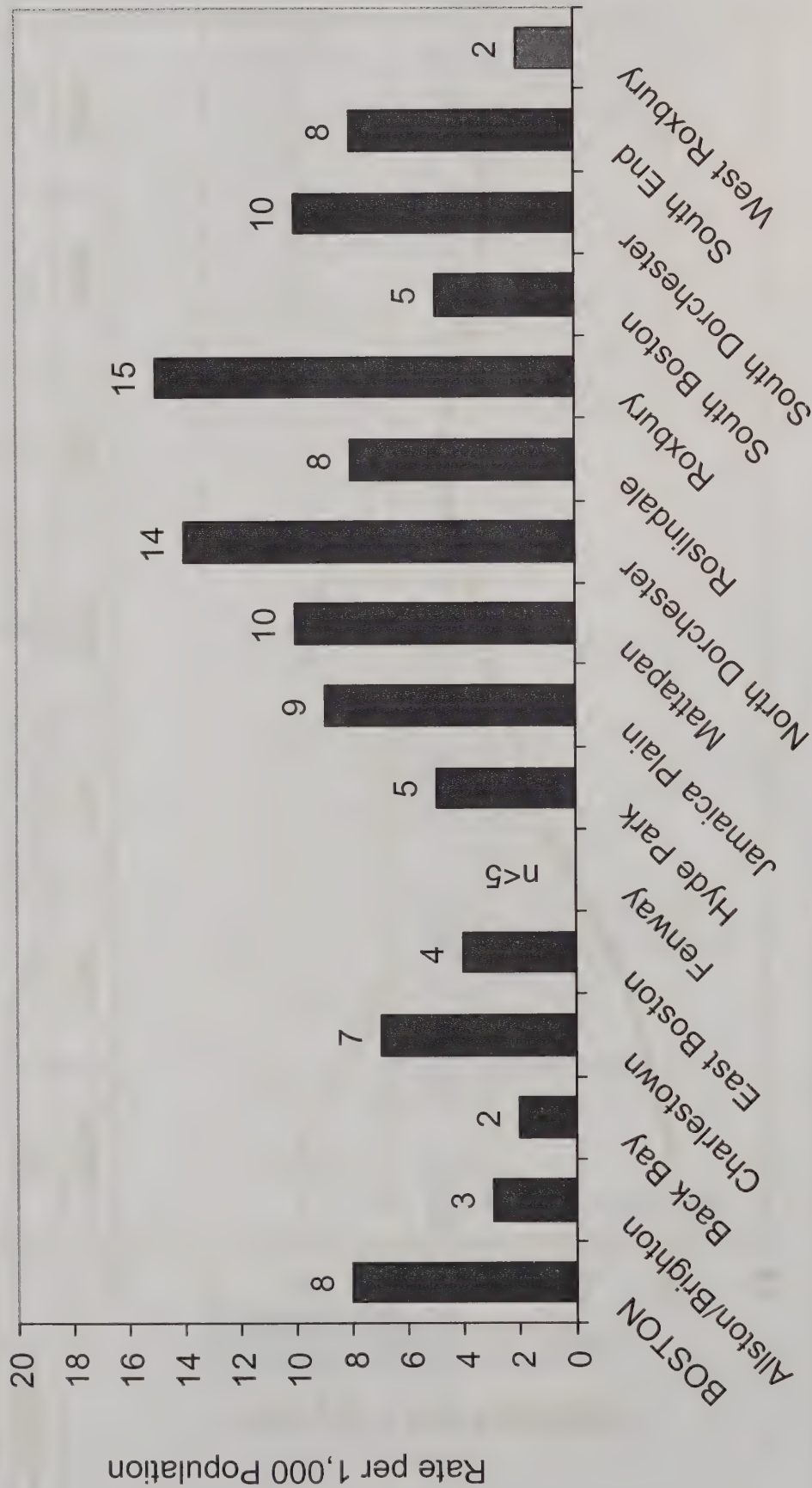


# Asthma Hospitalization Rates Children Under Age 5 by Year Boston and West Roxbury, 1994-2000



DATA SOURCE: 1997-2000 Acute Case Mix, Massachusetts Division of Health Care Finance and Policy; 1994-1996 discharge data, Massachusetts Health Data Consortium, Inc. Rates are calculated using the US Census 1990 and 2000 for resident population by zip code.  
DATA ANALYSIS: Boston Public Health Commission, Research Office.

# Asthma Hospitalization Average Annual Rates Children Under Age 5 by Neighborhood,\* Boston, 1999-2000



\*North End data have been incorporated with Back Bay.

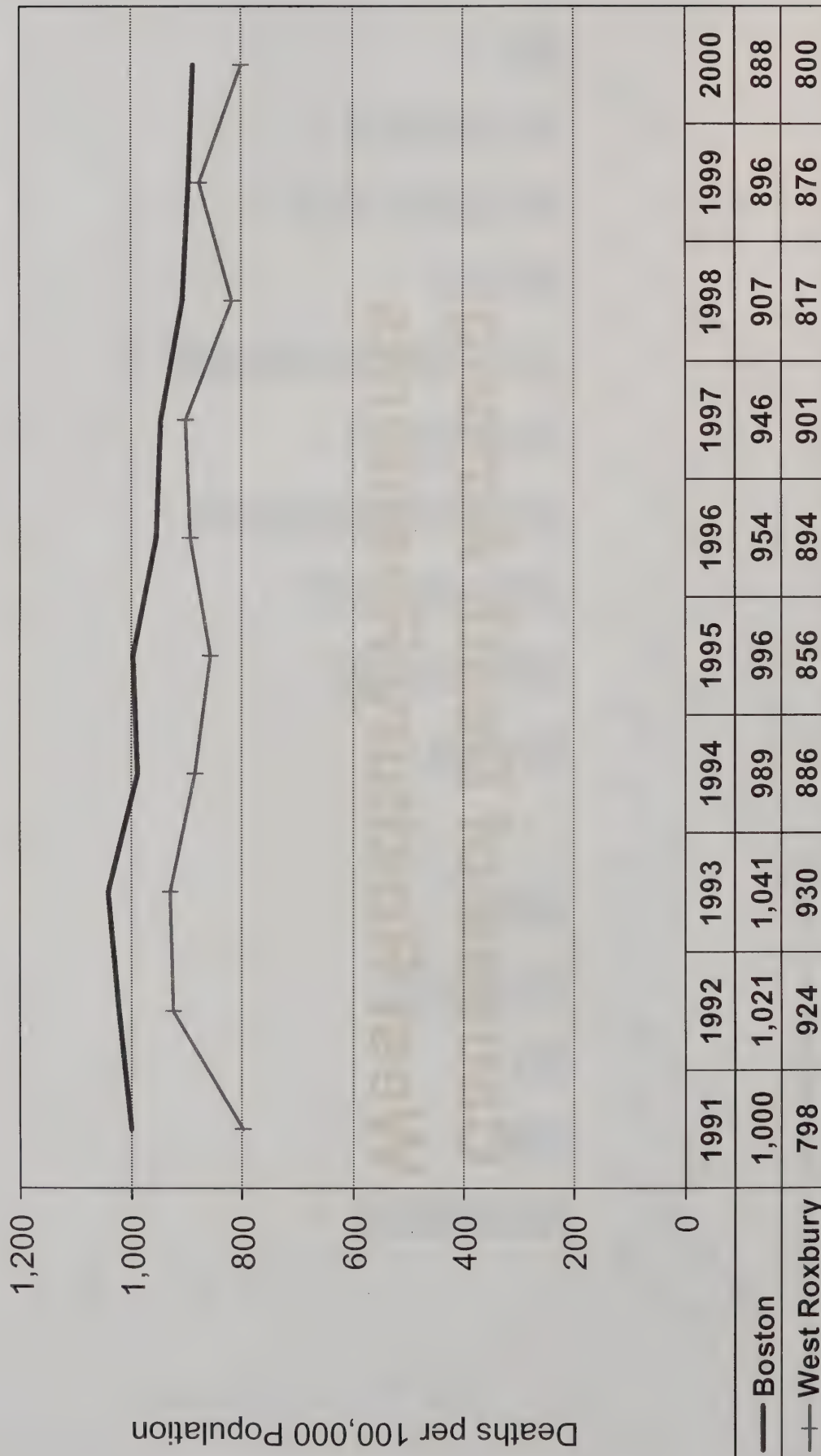
DATA SOURCE: 1997-2000 Acute Case Mix, Massachusetts Division of Health Care Finance and Policy. Rates are calculated using the US 2000 Census for resident population by zip code.

DATA ANALYSIS: Boston Public Health Commission, Research Office



# **Causes of Death Among West Roxbury Residents**

# Overall Mortality Age-Adjusted Rates by Year Boston Overall and West Roxbury, 1991-2000



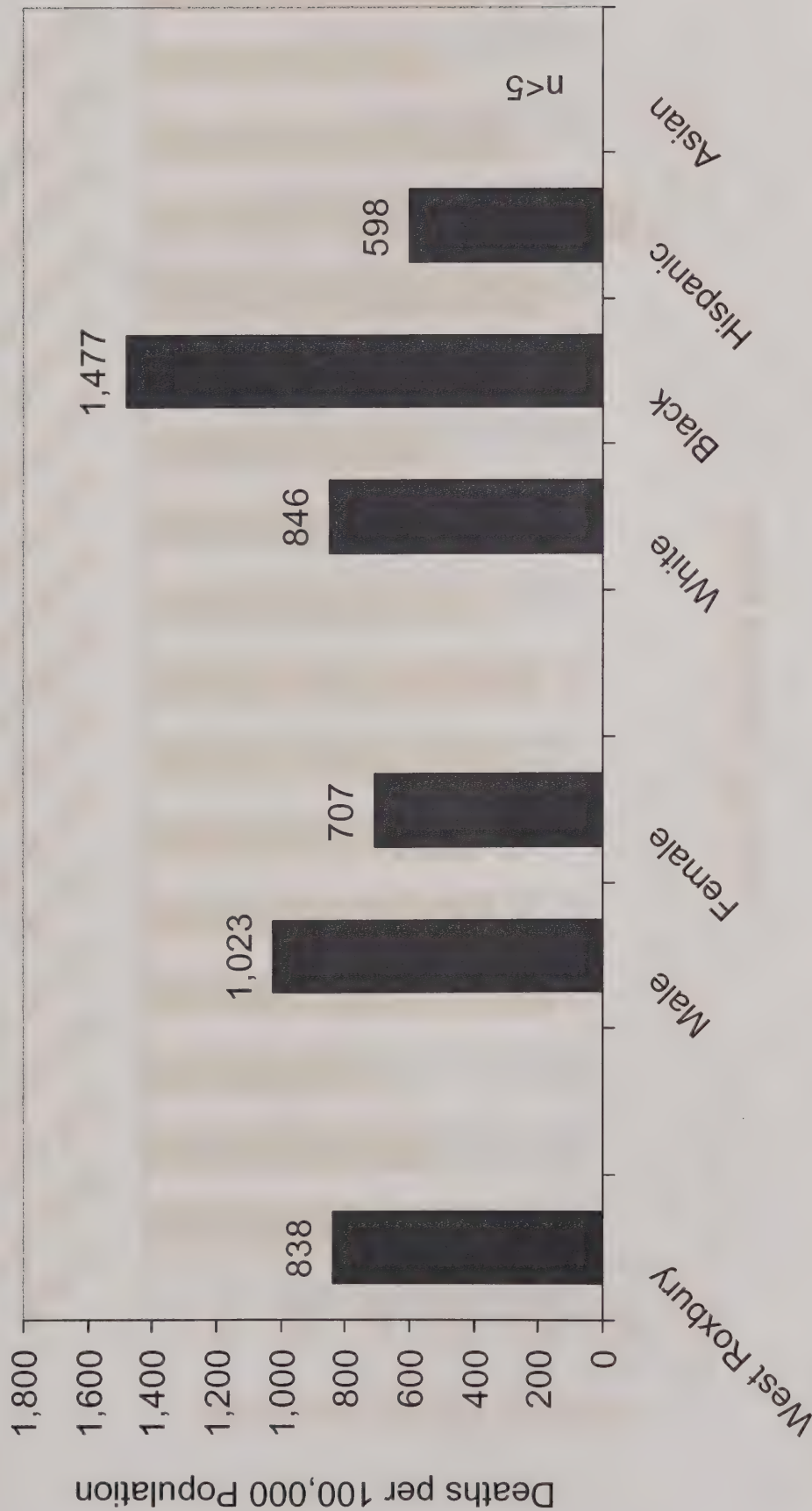
DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using resident population estimates from MISER for 1991-1998, Massachusetts Department of Public Health 1999 Preliminary Population Estimates, and the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office



# Overall Mortality Age-Adjusted Rates by Sex and Race/Ethnicity West Roxbury, 1999-2000

Average Annual Rates

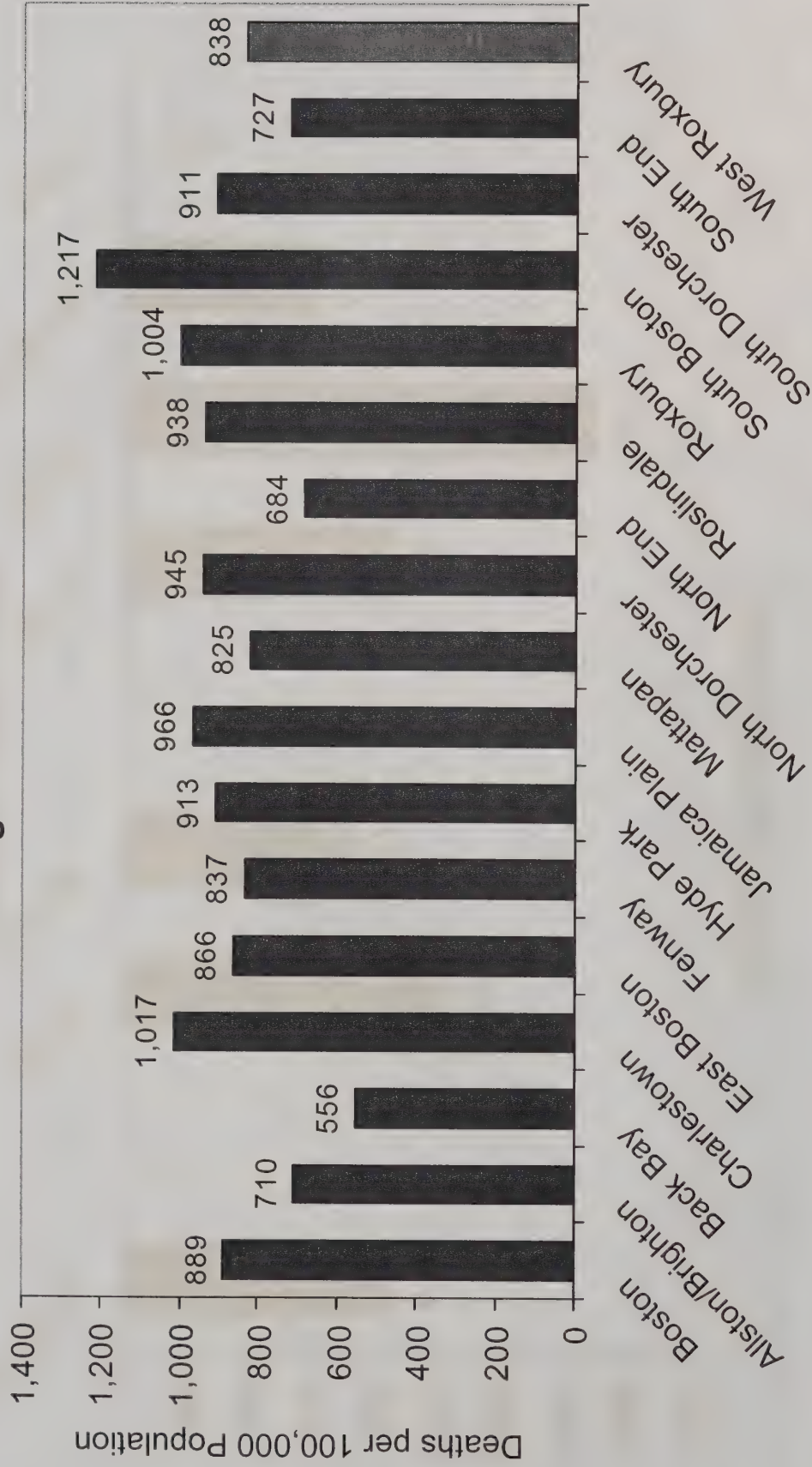


DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office

# Overall Mortality Age-Adjusted Rates by Neighborhood Boston, 1999-2000

Average Annual Rates

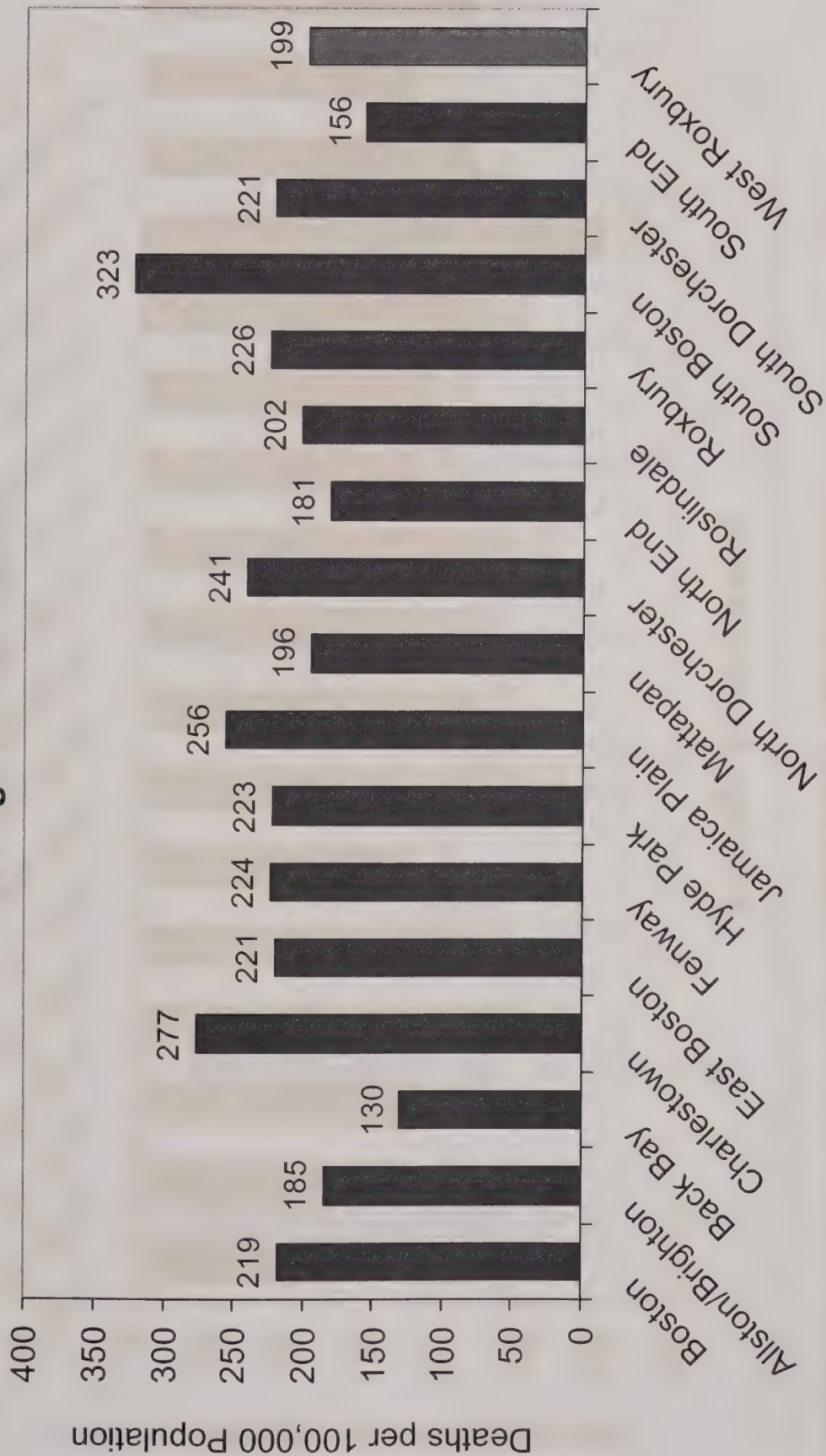


DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.  
DATA ANALYSIS: Boston Public Health Commission, Research Office



# Heart Disease Mortality Age-Adjusted Rates by Neighborhood Boston, 1999-2000

Average Annual Rates

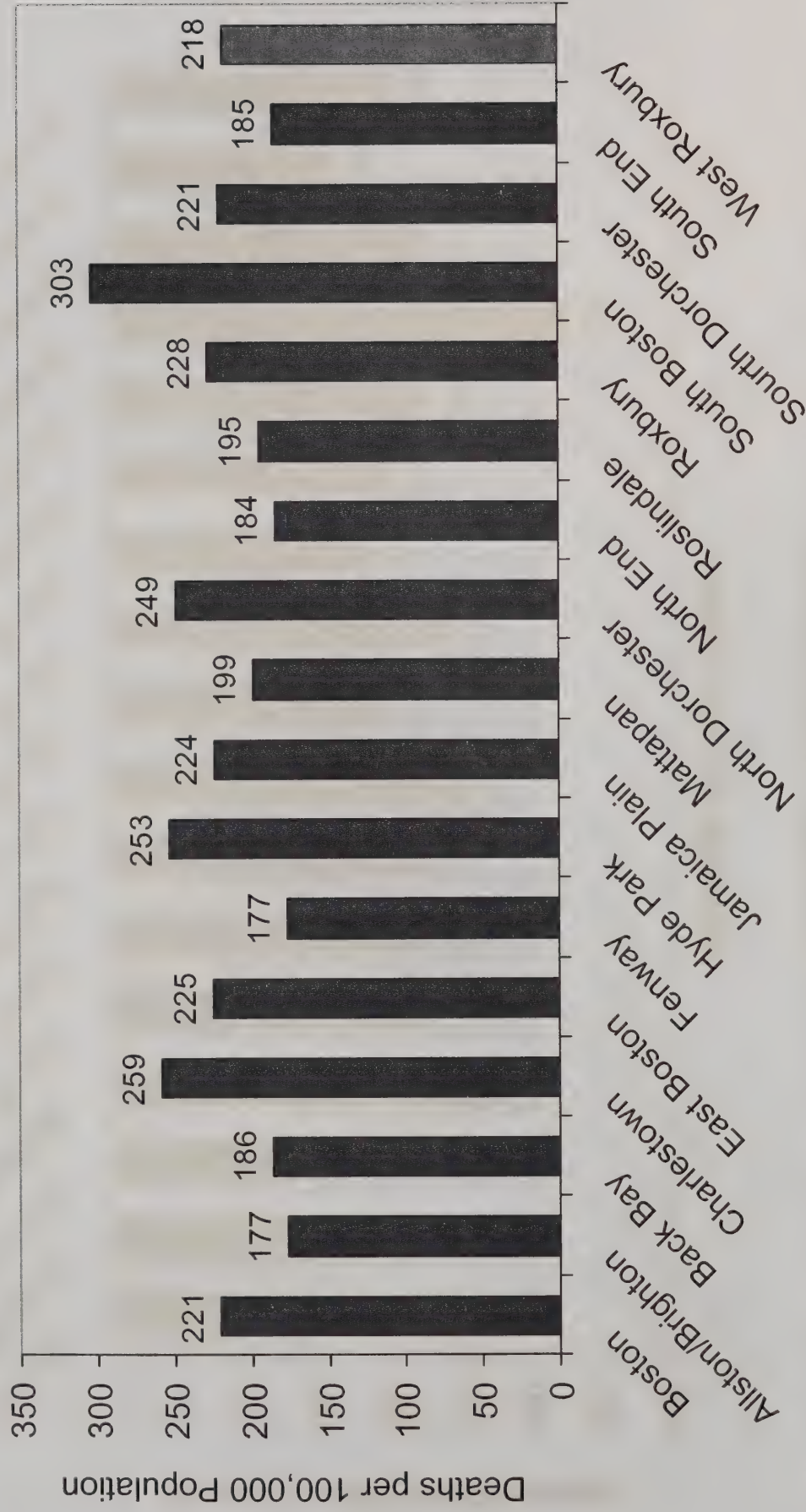


DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office

# Cancer Mortality Age-Adjusted Rates by Neighborhood Boston, 1999-2000

Average Annual Rates

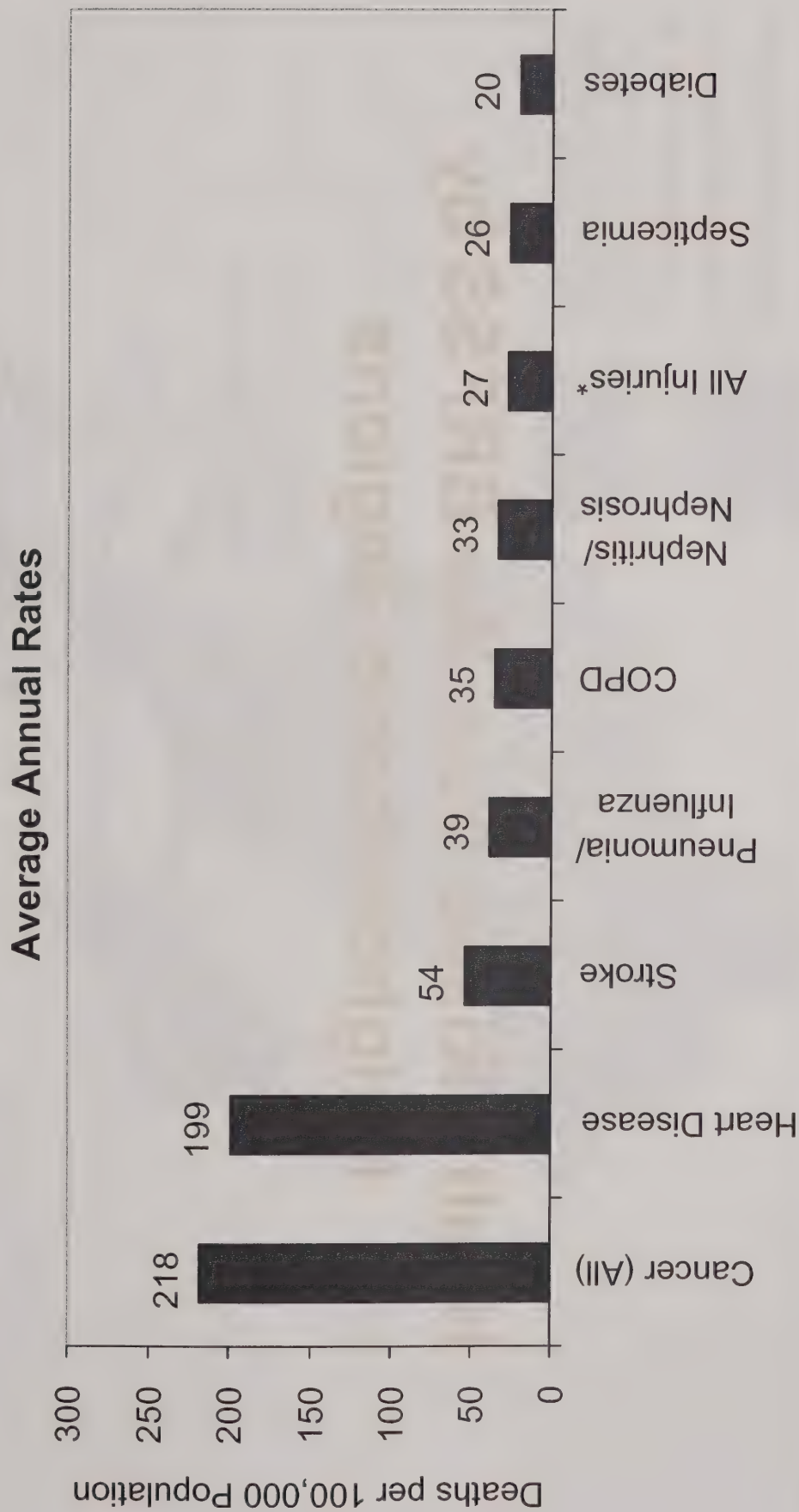


DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office



# Leading Causes of Death Age-Adjusted Rates West Roxbury, 1999-2000



\*Deaths due to all injuries include unintentional deaths (accidents, motor vehicle related), intentional deaths (homicide and suicide), and injuries with intent unknown at the time when the death certificate was issued.

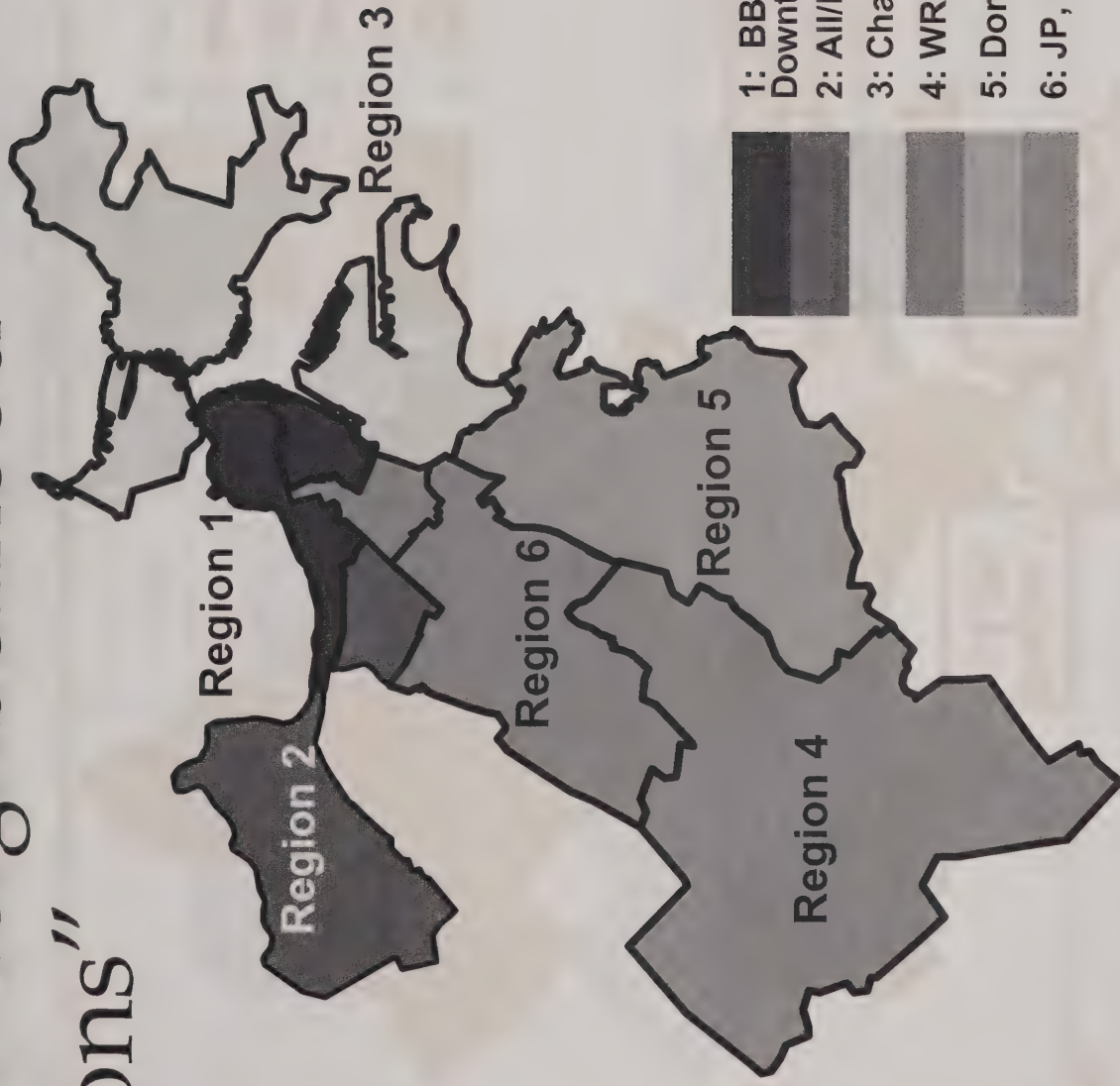
DATA ANALYSIS: Boston Public Health Commission, Research Office

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

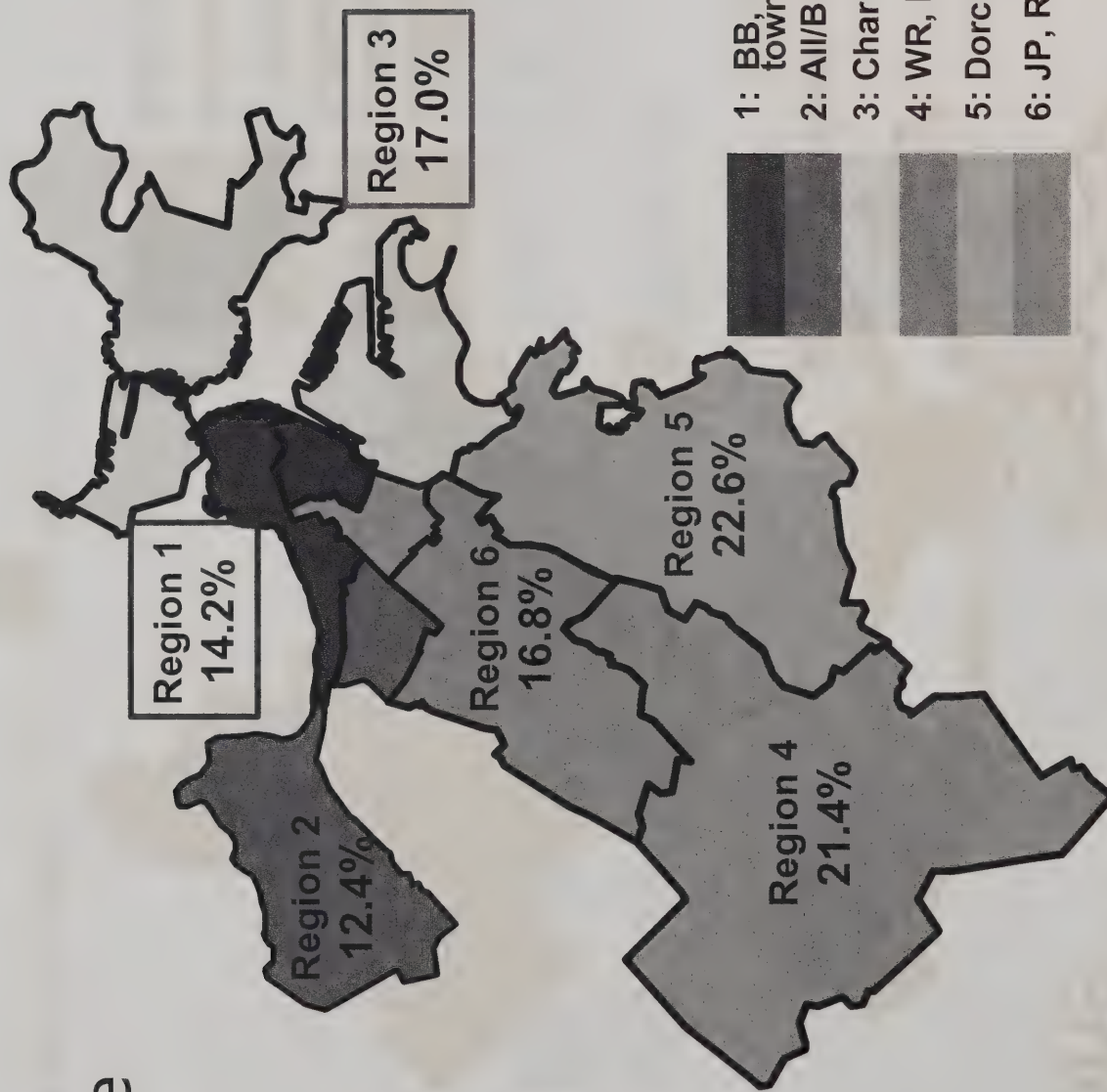
# Health Risks from the BRFSS by Neighborhood Regions



# Boston Neighborhood "Regions"



# Percentage of Boston Adults Ever Diagnosed with High Blood Pressure

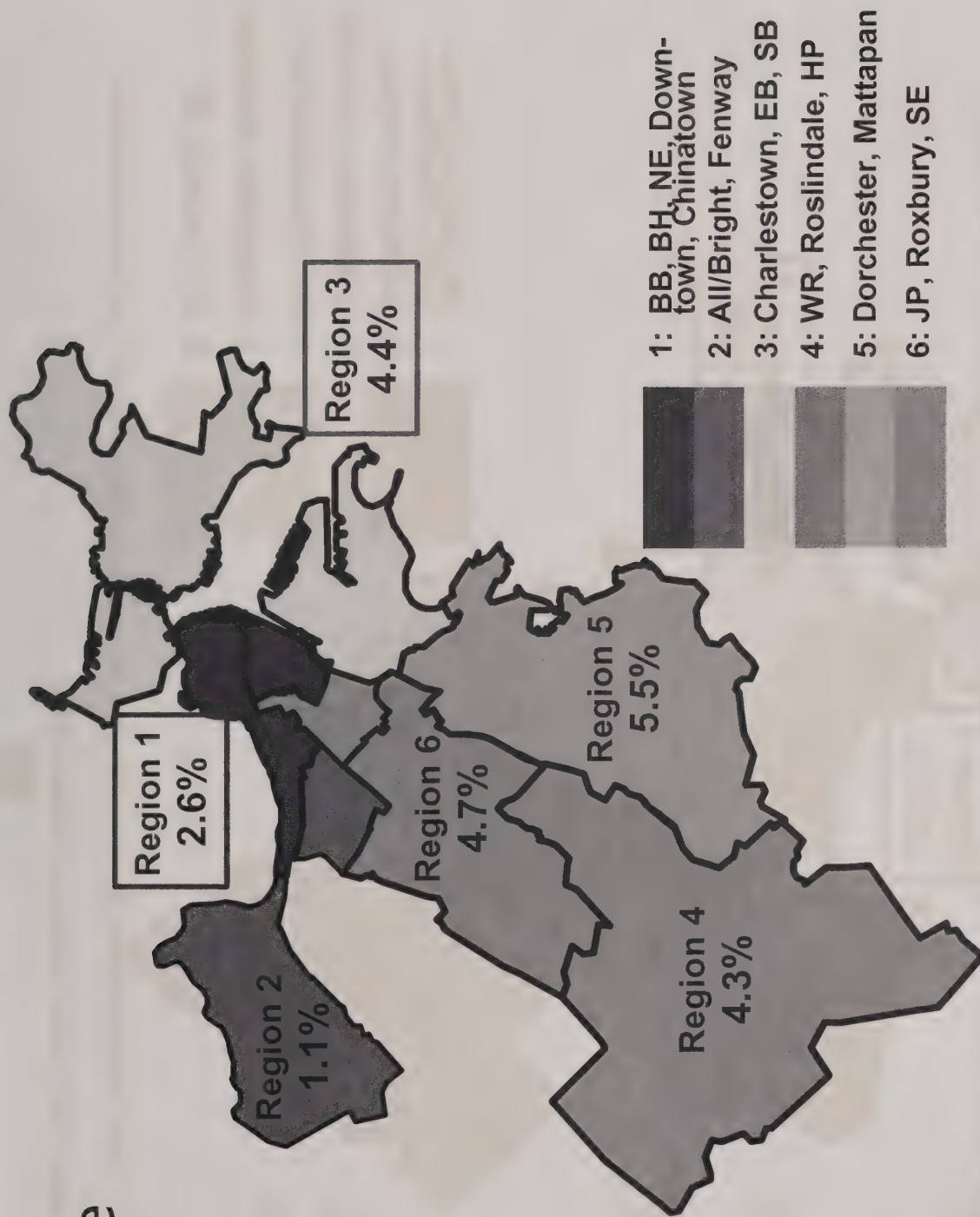


- 1: BB, BH, NE, Downtown, Chinatown
- 2: All/Bright, Fenway
- 3: Charlestown, EB, SB
- 4: WR, Roslindale, HP
- 5: Dorchester, Mattapan
- 6: JP, Roxbury, SE

DATA SOURCE: Behavioral Risk Factor Surveillance System, 1999, Massachusetts Department of Public Health and Boston Public Health Commission  
 MAP PREPARATION: Boston Public Health Commission, Research Office

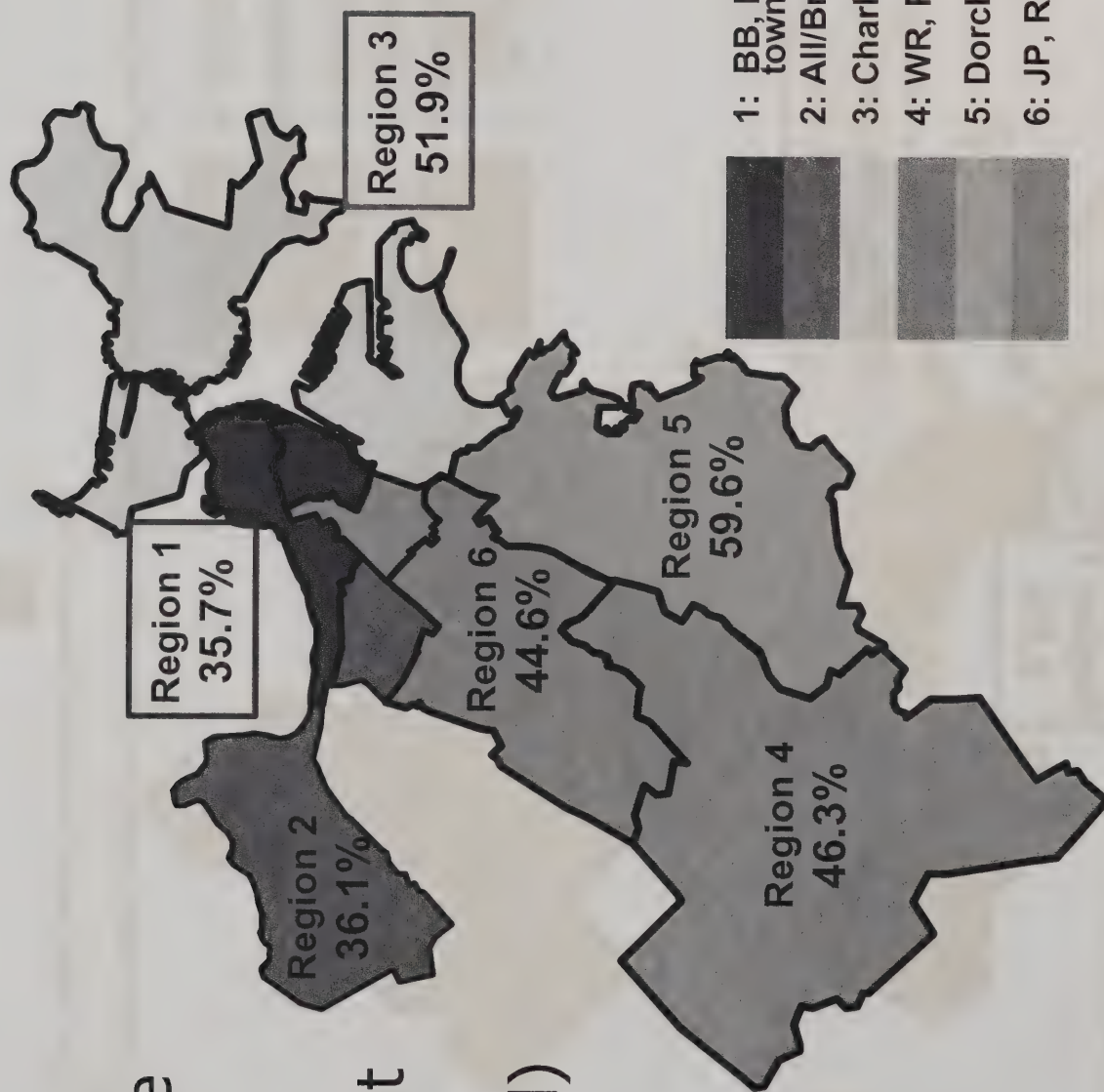


# Percentage of Boston Adults Ever Diagnosed with Diabetes



DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission  
 MAP PREPARATION: Boston Public Health Commission, Research Office

# Percentage of Boston Adults Overweight or Obese (Combined)

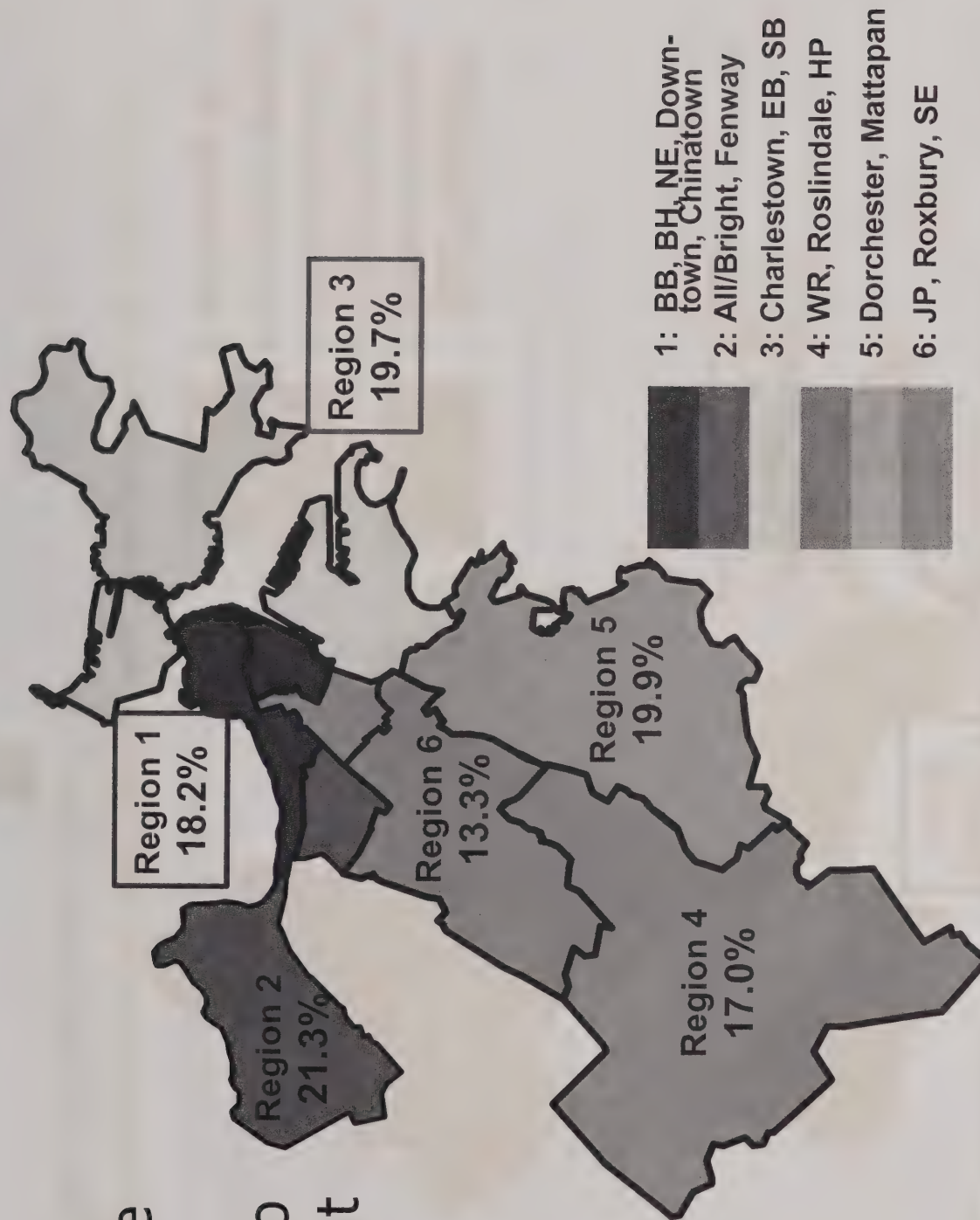


- 1: BB, BH, NE, Downtown, Chinatown
- 2: All/Bright, Fenway
- 3: Charlestown, EB, SB
- 4: WR, Roslindale, HP
- 5: Dorchester, Mattapan
- 6: JP, Roxbury, SE

DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission  
 MAP PREPARATION: Boston Public Health Commission, Research Office

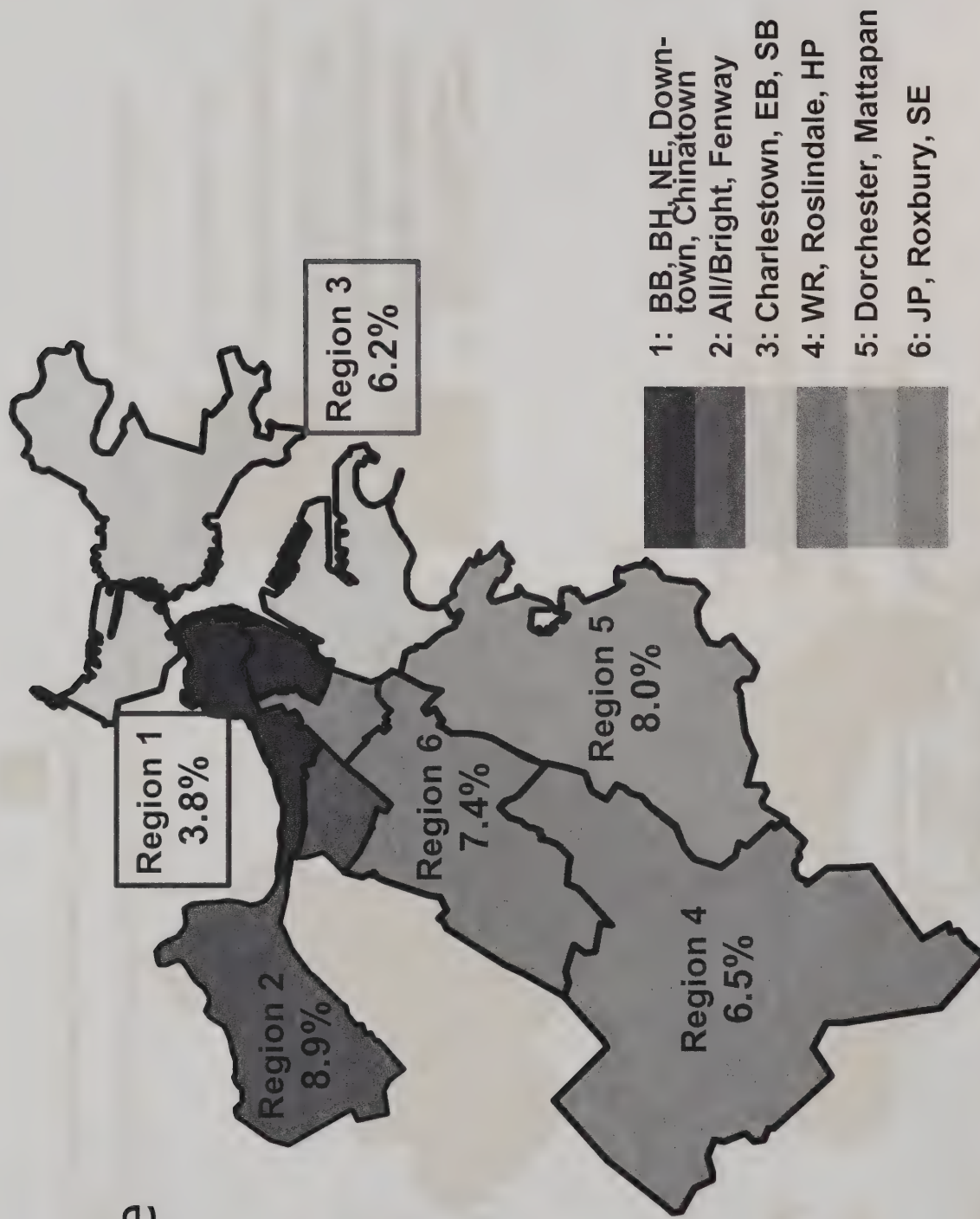


# Percentage of Boston Adults Who Are Current Smokers



DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission  
 MAP PREPARATION: Boston Public Health Commission, Research Office

# Percentage of Boston Adults Who Are Uninsured



DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission  
 MAP PREPARATION: Boston Public Health Commission, Research Office



## WEST ROXBURY COMMUNITY MEETING SUMMARY

**Adequacy of Prenatal Care:** In 2000, West Roxbury had the highest level of prenatal care adequacy among Boston neighborhoods, 89%.

**Cumulative HIV Incidence Rates:** As of May 1, 2002, the cumulative HIV incidence rate for West Roxbury (46 cases per 100,000 population) was 84% lower than the Boston rate (279 cases per 100,000).

**Birth Rates Among Adolescents:** During 2000, the adolescent birth rate for West Roxbury (12 births per 1,000 population) was 22% below the Boston rate (21 births per 1,000).

## Challenges

**Low Birthweight (LBW) Births:** Although the LBW rate for West Roxbury in 2000 (7% of all West Roxbury births) was below the Boston LBW rate of 9%, it is 40% above the national Healthy People 2010 goal of no more than 5% LBW births.

**Overall Mortality:** Between 1991 and 2000, the mortality rate declined 11% for Boston, but stayed nearly the same for West Roxbury. The West Roxbury rate was 798 deaths per 100,000 population in 1991 and 800 deaths per 100,000 in 2000.

**Cancer Mortality:** During 1999-2000, the age-adjusted mortality rate for West Roxbury residents (218 deaths per 100,000 population) was similar to the Boston rate (221 deaths per 100,000). However, the West Roxbury rate and the Boston rate are 39% above the national Healthy People 2010 goal of no more than 158.7 cancer deaths per 100,000.







